

DIABETES

LITERATURE INDEX

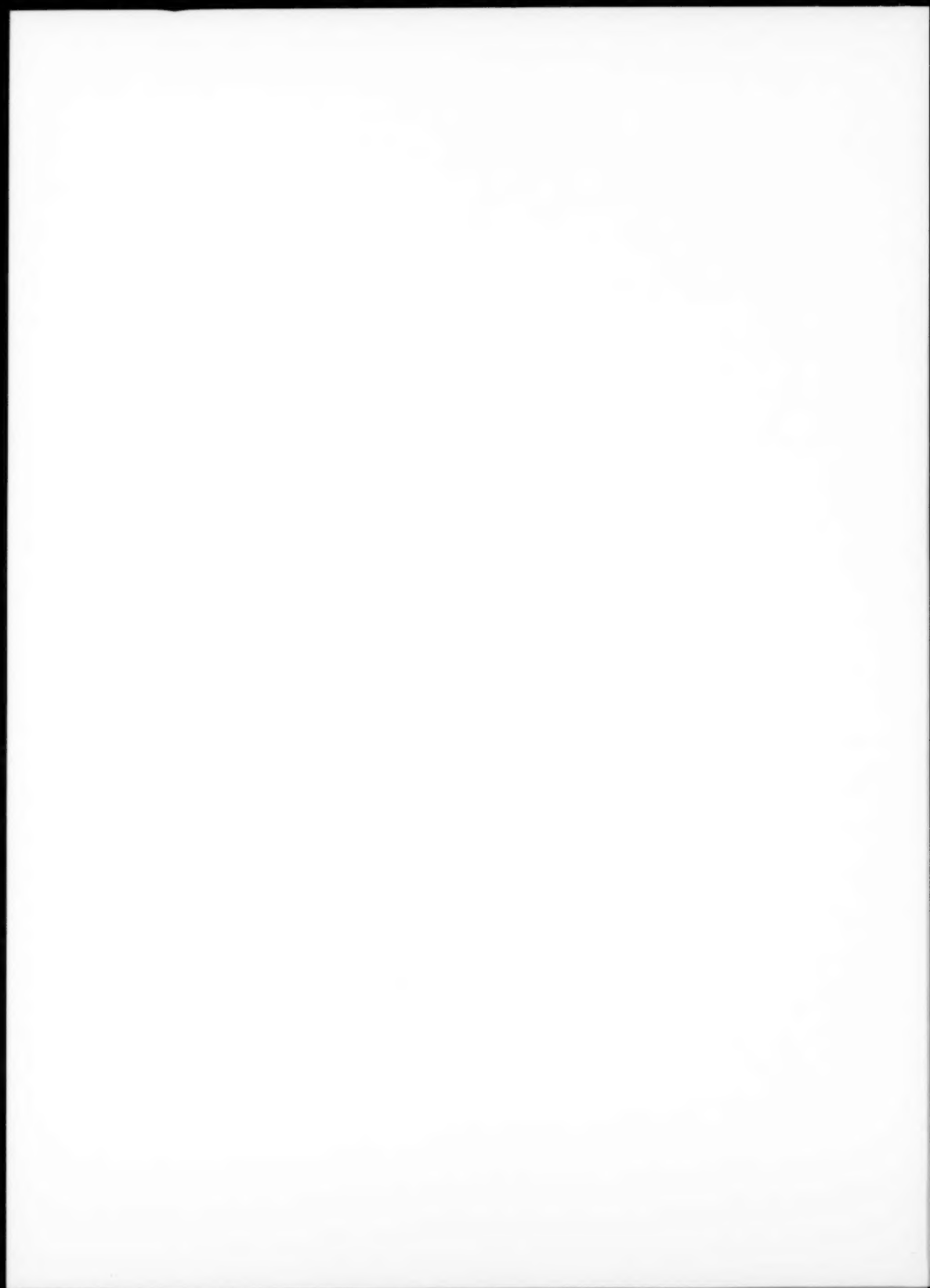
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES

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DIABETES LITERATURE INDEX

(By Authors, Hierarchy, and by Keywords in the Title)

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Order of Arrangement

Arrangement of hierarchy
MEDLARS terms included in hierarchy
Hierarchical Subject Index
Keyword Index
Author Index

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PREFACE

Diabetes Literature Index is a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases which has been prepared from MEDLARS (Medical Literature Analysis and Retrieval System) tapes furnished by the National Library of Medicine. This specialized information medium is being published to fill an existing great need in the field of diabetes and to assist the Institute in meeting its obligations to foster and support laboratory and clinical research into the nature, causes, and therapy for diabetes. Publication of *Diabetes Literature Index* makes available an index of all current scientific papers relevant to this field from the world literature.

It is hoped that the issuing of *Diabetes Literature Index* under the auspices of the National Institute of Arthritis, Metabolism, and Digestive Diseases will provide a much needed current awareness tool to scientists and will facilitate greater integration of research and clinical efforts in this field. *Diabetes Literature Index* has been published monthly since January 1966 and is cumulated at the end of each calendar year.

This publication is available free to National Institutes of Health grantees and contractors working in the field of diabetes, and libraries of medical schools. Requests from these *qualified* individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications from these qualified recipients of free copies should be addressed to:

Scientific Communications Office
Diabetes Literature Index
National Institute of Arthritis,
Metabolism, and Digestive Diseases
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Bethesda, Maryland 20014

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The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1978

EDITORIAL NOTE

Diabetes Literature Index, a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases (NIAMDD), was brought about through the cooperative efforts of two divisions of the National Institutes of Health (NIAMDD and the National Library of Medicine), a professional society (American Diabetes Association), three Universities (University of Minnesota, University of Rochester, and Case Western Reserve University) as well as a number of individual scientists. In this rather unique cooperative project, initiated in 1958, duplication of effort has been reduced to a minimum. The digital information generated from the original input of bibliographic citations to the National Library of Medicine's MEDLARS system is processed by computer in several different ways and ultimately used to compose the final printed pages of this *Diabetes Literature Index*.

Each month the MEDLARS magnetic tape furnished by the National Library of Medicine (NLM) is used for identification of the diabetes related literature. All bibliographic citations classified under subject headings which we have designated as Priority I, represent articles that are 100% diabetes-related; they are automatically copied onto a new magnetic tape and constitute over seventy percent of the citations appearing in this index. The citations appearing under Priority II and III are subject headings which include both diabetes-related and unrelated articles; these are printed on cards by the computer. The diabetes related citations are identified manually and the corresponding digital information is added to the next month's Priority I magnetic tape.

In the selection of this bibliography, diabetes-related literature has been defined in a rather arbitrary but broad, comprehensive manner with a view toward providing the widest possible coverage of related areas. To this end the following subjects have been included: the Islets of Langerhans in the pancreas, including their structure and pathologic alterations; insulin, its properties, assay, synthesis, release or degradation; the direct and indirect effects of insulin on target organs; blood glucose level, hyper- and hypo-glycemia; insulin antibodies and insulin resistance; insulin allergy; recent developments in intermediary metabolism; experimental and clinical as-

pects of diabetes, signs, symptoms, diagnosis, treatment, complications, and associated conditions. Also included are other hormones and agents whose effects are similar, opposite, synergistic or antagonistic to insulin, either in their primary or secondary effects on target organs. It should be noted that there are undoubtedly some omissions due to the empirical definition of the diabetes-related literature which was adopted and also to the difficulties attendant in preparing such a large-scale bibliography by machine.

The *Diabetes Literature Index* is published in three formats: a hierarchical subject index, a key word in title index, and an author index. The magnetic tape version of these indexes, prepared at the University of Minnesota, is used to generate the copy for offset printing by the Government Printing Office on their Linotron.

Hierarchical Subject Index: This index differs from *Index Medicus* in that related terms are grouped together in a hierarchical relationship. Thus, all citations which are indexed under blood sugar, glucose tolerance, hyperglycemia, hypoglycemia, and glycosuria are grouped under the general heading "blood sugar, urine sugar and related topics." In both the Diabetes Key Word Index and in *Index Medicus* these terms are arranged alphabetically, and the corresponding citations are distributed at many different page locations. In some instances where only a few citations appear under several similar subject headings, these are grouped together under a more generic term; at times, a new non-MEDLARS index term is created to cover these groupings of subject headings. In some instances where many citations appear under a single subject heading, these are subdivided by using subheadings.

Although the hierarchical subject index is, in a sense, a miniaturized version of *Index Medicus* (dealing with the core diabetes literature) it provides a much greater depth of indexing. Many relevant citations included in the *Diabetes Literature Index* do not appear under the corresponding subject headings in *Index Medicus*; because of space limitations, only two or three of the ten or more index terms included on the MEDLARS magnetic tape are used in the printed version of *Index Medicus*. At times the reason why a given citation appears under a specific subject

heading may not be apparent from the article title. However, examination of the list of index terms for this citation (included in the Author Index under the principal author) will give the basis for this inclusion.

Beginning with the January 1971 issue, two sections are included in the Hierarchical Subject Index. In *Section 1*, "Diabetes Mellitus and Related Topics," the major subdivisions include the MEDLARS terms: Islets of Langerhans, Pancreas, Insulin, Glucagon, Blood and Urine Sugar; the subsection on "Diabetes," (Section 1.F) is extensively subdivided and many subheadings are used. In *Section 2*, "Endocrinology" is divided into subsections dealing with the individual endocrine glands. Hierarchical subject indexes related to Biochemistry and the organ systems (included in the experimental issues, published in February and March, 1969) are not included at this time; terms related to these subjects are, however, included in the Keyword Index.

A list of the subject headings included in the tree structure of the hierarchy (with their corresponding index numbers) and an alphabetic cross index of these subject headings is printed immediately preceding the Hierarchical Subject Index.

Key Word Index: For all of the diabetes-related literature chosen, key words in the title are identified by the computer and an expanded magnetic tape is prepared, listing the complete bibliographic citation under each key word. Most editorial decisions are made by the computer-disk-look-up-program using a master list of terms. Trivial words are deleted and specific word combinations are also selected. Abbreviations and word variant forms are replaced by the more commonly used key word. Inconsistencies between the British and American spellings are eliminated. In no case, however, is a change made within

the title itself. Words which have not appeared previously in the system are identified by the computer program and flagged for human decision.

With the publication of the hierarchical subject index, the key word index has been shortened. Diabetes is not included as a term in the key word index as it is covered in great detail in the hierarchical subject index. Although users may find the hierarchical subject index more useful for coverage of their broad interests, the key word index is advantageous in locating citations dealing with very specific terms—for example those relating to biochemistry or the organ systems. The key word index is of special value in locating citations dealing with the frontiers of diabetes research, for new terms appearing in the title are immediately included in the key word index.

Author Index: Because of space limitations, the printed version of *Index Medicus* excludes all but the first three authors in multiple author publications. However since the last author is often the best known, this name may be the most useful for reference or retrieval; therefore, all authors are included in the Diabetes Literature Author Index. These are automatically identified by the computer program and an alphabetized magnetic tape is prepared in which the complete bibliographic citation is included under each author. In addition, all of the index terms used by the NLM for each citation are listed under the principal author, thus providing an overview of the subject content of the article.

Users planning to systematically cover all articles appearing in a given month may do so by scanning the author index, limiting their perusal to the principal author, i.e., those citations which contain the MEDLARS index terms.

Arrangement of the Hierarchical Index

I	SECTION I. DIABETES MELLITUS AND RELATED TOPICS	I.E.5	HYPERGLYCEMIA, DRUG THERAPY
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I.A.1	ISLANDS OF LANGERHANS, ANATOMY RELATED	I.E.7	HYPERGLYCEMIA, METABOLISM
I.A.2	ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED	I.E.8	HYPERGLYCEMIA, PHYSIOPATHOLOGY
I.A.3	ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED	I.E.9	HYPERGLYCEMIA, URINE
I.A.4	ISLANDS OF LANGERHANS, PHARMACOLOGY RELATED	I.E.	GLYCOSURIA
I.A.5	ISLANDS OF LANGERHANS, PATHOLOGY RELATED	I.E.1	GLYCOSURIA, CHEMICALLY INDUCED
I.B	PANCREAS	I.E.2	GLYCOSURIA, COMPLICATIONS
I.B.1	PANCREAS, ANATOMY RELATED	I.E.3	GLYCOSURIA, DIAGNOSIS
I.B.2	PANCREAS, BIOCHEMISTRY RELATED	I.E.4	GLYCOSURIA, DRUG THERAPY
I.B.3	PANCREAS, PHYSIOLOGY RELATED	I.E.5	GLYCOSURIA, ENZYMOLOGY
I.B.4	PANCREAS, PHARMACOLOGY RELATED	I.E.6	GLYCOSURIA, ETIOLOGY
I.B.5	PANCREAS, PATHOLOGY RELATED	I.E.7	GLYCOSURIA, METABOLISM
I.B.6	PANCREAS, SURGERY RELATED	I.E.8	GLYCOSURIA, OCCURRENCE
I.B.6.1	PANCREAS, TRANSPLANTATION	I.E.5	GLYCOSURIA, RENAL
I.B.6.2	PANCREATECTOMY	I.E.6	HYPOGLYCEMIA
I.C	INSULIN	I.E.6.1	HYPOGLYCEMIA, BLOOD
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I.C.1.2	INSULIN, ANALYSIS	I.E.6.4	HYPOGLYCEMIA, DIAGNOSIS
I.C.1.3	INSULIN, CHEMICAL SYNTHESIS	I.E.6.5	HYPOGLYCEMIA, DRUG THERAPY
I.C.1.4	INSULIN, BIOSYNTHESIS	I.E.6.6	HYPOGLYCEMIA, ETIOLOGY
I.C.1.5	INSULIN, METABOLISM	I.E.6.7	HYPOGLYCEMIA, METABOLISM
I.C.1.6	INSULIN, BLOOD	I.E.6.8	HYPOGLYCEMIA, PHYSIOPATHOLOGY
I.C.1.7	INSULIN, URINE	I.E.6.9	HYPOGLYCEMIA, THERAPY
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I.C.8	INSULIN, HISTORY	I.F.6.2	DIABETIC ANGIOPATHIES
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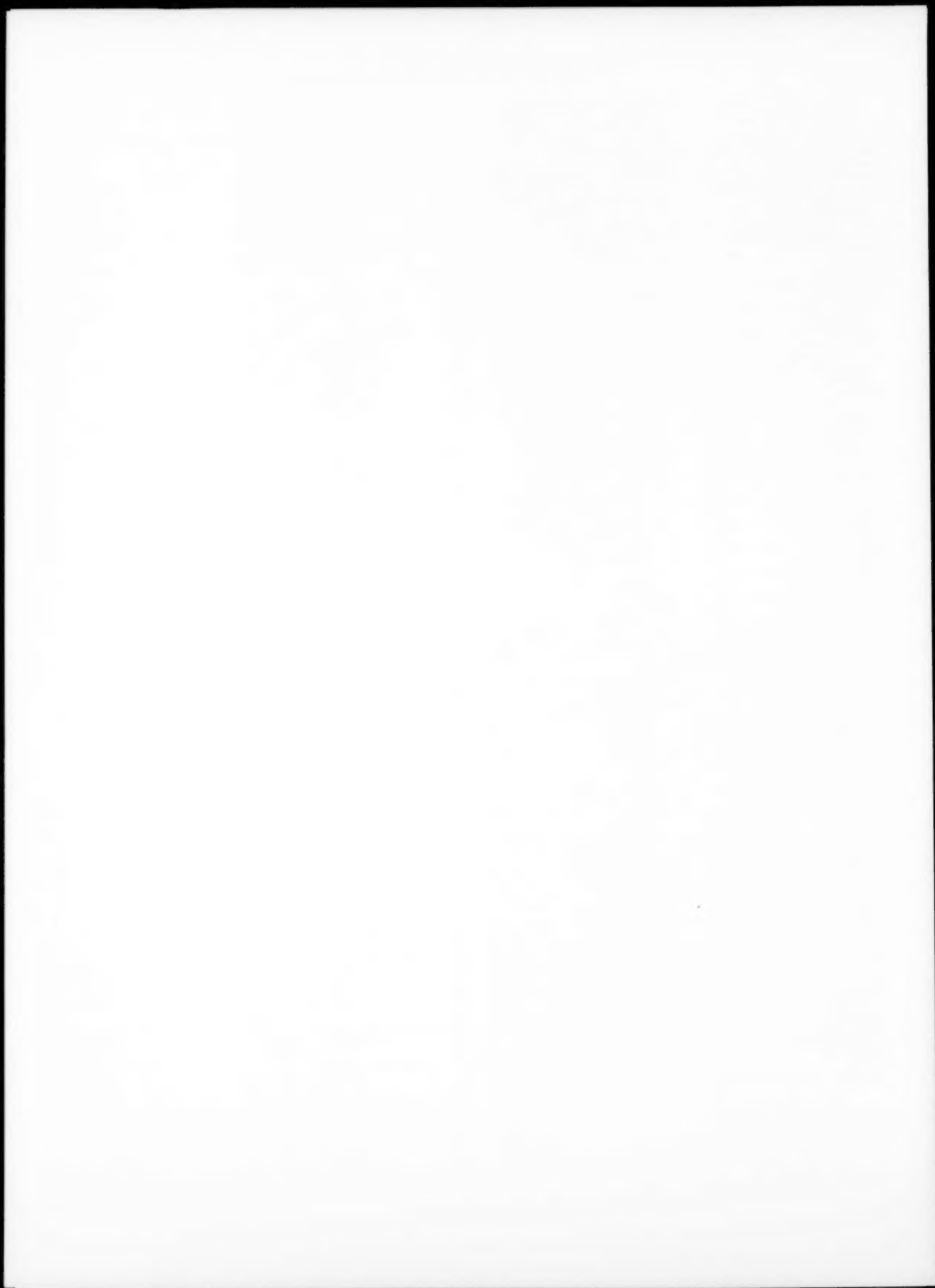
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SECTION 1. DIABETES MELLITUS AND RELATED TOPICS

1.A ISLANDS OF LANGERHANS

[RECENT ACQUISITIONS IN THE FIELD OF ANTI-DIABETIC TREATMENT] Hsine M, Baquet R *Maroc Med* 55: 289-92, Jun 75 (Fre)

[NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLANTATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)

[NEW RESULTS IN DIABETES RESEARCH] Schweisheimer W *Med Lab (Stuttg)* 28: 132-4, Jun 75 (Ger)

[ADVANCES IN INSULIN THERAPY OF DIABETES MELLITUS] Aarseth S *Tidsskr Nor Lægeforen* 95: 1540-4, 30 Sep 75 (Nor)

1.A.1 ISLANDS OF LANGERHANS, ANATOMY RELATED

[THE EFFECT OF RASTINON ON THE BETA CELLS OF THE RAT AND GUINEA PIG PANCREAS] Ogneva V *Eksp Med Morfol* 12: 92-7, 1973 (Bul)

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr *Diabetes* 24: 910-4, Oct 75 (Eng)

ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS. Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)

[ULTRASTRUCTURE OF THE SECRETORY CELLS OF THE PANCREATIC ISLETS IN HUMAN FETUSES] Puzryev AA *Tsitologiya* 17: 1027-31, Sep 75 (Rus)

[EXTRAISULAR COMPONENTS OF THE ISLAND ORGAN] Ehrenbrand F *Verh Anat Ges* 68: 617-20, 1974 (Ger)

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

USE OF PHASE CONTRAST MICROSCOPY OF SEMITHIN EPOXY SECTIONS IN HISTOCHEMISTRY. Nevalainen TJ *Beitr Pathol* 156: 80-4, Sep 75 (Eng)

1.A.2 ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED

THE EFFECTS OF D- AND L-GLYCERAL-DEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

SPECIFIC UPTAKE OF LABELLED N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS OF CHINESE HAMSTERS. Tjalve H, Wilander E *Experientia* 31: 1061-2, 15 SEP 75 (Eng)

ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS. Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

LETTER: IMMUNOHISTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN THE RAT PANCREAS. Pelletier G, Leclerc R, Arimura A, Schally AV *J Histochem Cytochem* 23: 699-702, Sep 75 (Eng)

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, lee RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

[THE FUNDAMENTALS OF THE PHARMACOLOGY OF ANTIDIABETIC SUBSTANCES] Losert W *Pharmazie* 30: 422-33, Jul 75 (Ger) [184]

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION. INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Esp* 138: 321-6, 31 Aug 75 (Spa)

UPTAKE OF LABELLED-N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS. Wilander E, Tjalve H *Virchows Arch [Pathol Anat]* 367: 27-33, 23 Jun 75 (Eng)

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE

SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

1.A.3 ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED

THE EFFECTS OF D- AND L-GLYCERAL-DEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr *Diabetes* 24: 910-4, Oct 75 (Eng)

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYLPREDNISOLONE. Isckutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskiran MR *Diabetes* 24: 933-43, Oct 75 (Eng)

LETTER: IS DIABETES MELLITUS A DISORDER OF THE GLUCORECEPTOR Niki A, Niki H *Lancet* 2: 658, 4 Oct 75 (Eng)

[ULTRASTRUCTURE OF THE SECRETORY CELLS OF THE PANCREATIC ISLETS IN HUMAN FETUSES] Puzryev AA *Tsitologiya* 17: 1027-31, Sep 75 (Rus)

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynger H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

ACUTE EFFECTS OF EXOGENOUS GROWTH HORMONE IN MAN: TIME- AND DOSE-BOUND MODIFICATION OF GLUCOSE TOLERANCE AND GLUCOSE-INDUCED INSULIN RELEASE. Adamson U, Cerasi E *Acta Endocrinol (Kbh)* 80: 247-61, Oct 75 (Eng)

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Scino Y, Goto Y, Imura H

1.B PANCREAS

Biochem Biophys Res Commun 66: 928-34, 6 Oct 75 (Eng)

[STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL.) Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)

1.A.4 ISLANDS OF LANGERHANS, PHARMACOLOGY RELATED

THE EFFECTS OF D- AND L-GLYCERAL-DEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

[THE EFFECT OF RASTINON ON THE BETA CELLS OF THE RAT AND GUINEA PIG PANCREAS] Ogneva V *Eksp Med Morfol* 12: 92-7, 1973 (Bul)

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

A NEW METHOD FOR THE PRODUCTION OF EXPERIMENTAL DIABETES IN RABBITS. Pakrashi A, Mukherjee SK *J Endocrinol* 66: 147-50, Aug 75 (Eng)

EFFECT OF ALLOXAN ADMINISTRATION UPON CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 88: 673-80, 1974 (Eng)

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

[STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL.) Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)

1.A.5 ISLANDS OF LANGERHANS, PATHOLOGY RELATED

MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN. Gofel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Lee RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

LETTER: NESIDIOBLASTOSIS IN FAMILIAL ENDOCRINE ADENOMATOSIS. Szalay GC *J Pediatr* 87: 498, Sep 75 (Eng)

EDITORIAL: HYPOGLYCEMIA DURING FASTING. Ricketts HT *JAMA* 234: 186, 13 Oct 75 (Eng)

[THE CLINICAL PICTURE AND PATHOGENESIS OF HYPOGLYCEMIC HYPERSOMNOLENT STATES WITH PRESENTATION OF A SPECIAL CASE] Taneva I, Mishev P, Mitkov V *Khirurgia (Sofia)* 27: 429-30, 1974 (Bul)

[JUVENILE DIABETES MELLITUS—THEORIES ON ITS PATHOGENESIS] Wilander E *Lakartidningen* 72: 3208-10, 27 Aug 75 (Swe)

[ACTION OF PHENYTOIN ON GLYCOREGULATION] Hazard J, Perlemuter L *Nouv Presse Med* 4: 2263-5, 27 Sep 75 (Fre)

POST-MORTEM HISTOLOGY OF THE ISLETS OF LANGERHANS IN JUVENILE DIABETES MELLITUS. Doniach I *Postgrad Med J* 50 SUPPL 3: 544-5, Aug 74 (Eng)

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larrodera L, Ramirez A, Florez Tascón M, Schuller A *Rev Clin Exp* 138: 475-9, 15 Sep 75 (Spu)

DIAGNOSIS AND TREATMENT OF PANCREATIC BETA-CELL TUMOR. Skjoldborg H, Olsen TS, Lundbaek K, Madsen B *Surg Annu* 7: 219-39, 1975 (Eng) [43]

DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

[LIGHT- AND ELECTRON MICROSCOPY STUDIES OF STRUCTURAL CHANGES WITHIN THE EXO- AND ENDOCRINE PANCREAS OF THE ALBINO RAT IN 2-, 3-, 4-, AND 6-WEEK- LONG B1-AVITAMINOSIS] Fallar A *Verh Anat Ges* 68: 621-39, 1974 (Ger)

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

[DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich IaV, Minkovich BM *Arkiv Patol* 37: 3-13, 1975 (Rus)

[ABERRANT PANCREAS IN MECKELS DIVERTICULUM] Smirnov EA *Arkiv Patol* 37: 71-2, 1975 (Rus)

1.B PANCREAS

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PROCEEDINGS: THE EFFECT OF PORTAL AND SYSTEMIC VENOUS DRAINAGE OF THE PANCREAS ON GLUCOSE AND INSULIN METABOLISM. Collin J, Taylor RM, Johnston ID *Br J Surg* 62: 660, Aug 75 (Eng)

[ULTRASTRUCTURE OF THE SECRETORY CELLS OF THE PANCREATIC ISLETS IN HUMAN FETUSES] Puzryev AA *Tsitologia* 17: 1027-31, Sep 75 (Rus)

EXPERIMENTAL PANCREAS TRANSPLANTATION. Bornemisza G, Furka I, Gyurko G, Szentkereszty B, Miko I *Acta Chir Acad Sci Hung* 15: 343-52, 1974 (Eng)

1.B.2 PANCREAS, BIOCHEMISTRY RELATED

IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hover BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)

ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS. Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

LETTER: IMMUNOHISTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN THE RAT PANCREAS. Pelletier G, Leclerc R, Arimura A, Schally AV *J Histochem Cytochem* 23: 699-702, Sep 75 (Eng)

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Lee RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)

EFFECT OF ORAL ANTIDIABETIC DRUGS ON LIPASE ACTIVITY IN VITRO. Holmes JH, Sapeika N, Zwarenstein H *Res Commun Chem Pathol Pharmacol* 11: 667-70, Aug 75 (Eng)

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

1.B.3 PANCREAS, PHYSIOLOGY RELATED

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION. INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Exp* 138: 321-6, 31 Aug 75 (Spu)

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etievant J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN

Diabetes Literature—Hierarchical Index

1.C INSULIN

MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL.) Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PANCREATECTOMIZED DOG. Coleman B, Kallal JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSOPANCREATECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangneker PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

1.B.4 PANCREAS, PHARMACOLOGY RELATED

INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS. II. Grodsky GM, Fanska R, Lundquist I *Endocrinology* 97: 573-80, Sep 75 (Eng)

IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hover BA, Ellerman J, Matschinsky MG *Endocrinology* 97: 698-708, Sep 75 (Eng)

[LETTER: LYOPHILIZED PANCREATIC EXTRACT, A THERAPEUTIC ADJUVANT OF LIGHT DIABETES] Klotz HP *Nouv Presse Med* 4: 2333, 4 Oct 75 (Fre)

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL.) Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

1.B.5 PANCREAS, PATHOLOGY RELATED

LETTER: NESIDIOBLASTOSIS IN FAMILIAL ENDOCRINE ADENOMATOSIS. Szalay GC *J Pediatr* 87: 498, Sep 75 (Eng)

[JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A. COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL.) Azubuike JC, Gullotta F, Kallfelz HC, Gellissen K, Mcende S, Exss R *Neuropediatrics* 6: 292-306, Aug 75 (Ger)

[LIGHT- AND ELECTRON MICROSCOPY STUDIES OF STRUCTURAL CHANGES WITHIN THE EXO- AND ENDOCRINE PANCREAS OF THE ALBINO RAT IN 2-, 3-, 4-, AND 6-WEEK-LONG BI-AVITAMINOSIS] Fallner A *Verh Anat Ges* 68: 621-39, 1974 (Ger)

EFFECTS OF MEDIUM CHAIN TRIGLYCERIDES ON PORTAL AND ARTERIAL LEVELS OF INSULIN, FFA AND GLUCOSE IN PATIENTS WITH PANCREATIC DISEASE. Rojdmak S *Acta Med Scand* 198: 123-6, Jul-Aug 75 (Eng)

[ABERRANT PANCREAS IN MECKELS DIVERTICULUM] Smirnov EA *Arkh Patol* 37: 71-2, 1975 (Russ)

FORMATION AND FUNCTION OF KININS. Eisen V *Rheumatology* 3: 103-68, 1970 (Eng) [424]

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

1.B.6 PANCREAS, SURGERY RELATED

1.B.6.1 PANCREAS, TRANSPLANTATION

[NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLANTATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)

[ADVANCES IN INSULIN THERAPY OF DIABETES MELLITUS] Aarseth S *Tidsskr Nor Lægeforen* 95: 1540-4, 30 Sep 75 (Nor)

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynner H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etteve J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

EXPERIMENTAL PANCREAS TRANSPLANTATION. Bornemisza G, Furka I, Gyurko G, Szentkereszty B, Mikó I *Acta Chir Acad Sci Hung* 15: 343-52, 1974 (Eng)

1.B.6.2 PANCREATECTOMY

[EXPERIMENTAL PREDIABETES AND LATENT DIABETES IN RATS FOR A 1-YEAR-PERIOD AFTER PANCREATECTOMY AD D.CHOLEDUCHUM] Korec R *Cesk Fysiol* 24: 331-5, 1975 (Slo)

[SURGERY OF THE PANCREAS. RESULTS AND SEQUELAE] Schoenemann J *Internist (Berlin)* 16: 276-83, Jun 75 (Ger)

[NEW RESULTS IN DIABETES RESEARCH] Schweisheimer W *Med Lab (Stuttgart)* 28: 132-4, Jun 75 (Ger)

[LETTER: INDICATIONS FOR PANCREAS RESECTION] Buente H *Munch Med Wochenschr* 117: 1438, 5 Sep 75 (Ger)

[EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PANCREATECTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Ricetti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynner H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labruno B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

CHRONIC PANCREATITIS IN CHILDHOOD ASSOCIATED WITH MUMPS VIRUS INFECTION. Wood CB, Bradbrook RA, Blumgart LH *Br J Clin Pract* 28: 67-9, Feb 74 (Eng)

MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PANCREATECTOMIZED DOG. Coleman B, Kallal JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSOPANCREATECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangneker PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

1.C INSULIN

THE SPECIFIC BINDING OF INSULIN TO POLYTHENE AND OTHER MATERIALS. Cecil R, Robinson GB *Biochim Biophys Acta* 404: 164-8, 8 Sep 75 (Eng)

THE RELATION OF CONFORMATION AND ASSOCIATION OF INSULIN TO RECEPTOR BINDING: X-RAY AND CIRCULAR-DICHROISM STUDIES ON BOVINE AND HYPOTRICHOMORPH INSULINS. Wood SP, Blundell TL *Eur J Biochem* 55: 531-42, 15 Jul 75 (Eng)

[B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN BY PEPsin, I-PREPARATION AND PROPERTIES OF BOVINE DES-PENTAPEPTIDE(B26-30) INSULIN (SUTHERS TRANSL.) Gattner HG, Hoppe Seyler Z *Physiol Chem* 356: 1397-404, Sep 75 (Ger)

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEPsin, II. PREPARATION AND PROPERTIES OF CAMEL DES-PENTAPEPTIDE (B26-30)- AND DES-PHEBI-DES-PENTAPEPTIDE (B26-30)- INSULIN. Danho WO, Gattner HG, Nissen D, Zahn H *Hoppe Seyler Z Physiol Chem* 356: 1405-12, Sep 75 (Eng)

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

CARBON-13 MAGNETIC RESONANCE STUDY OF STRUCTURAL AND DYNAMICAL FEATURES IN CARBAMYLATED INSULINS. Led JJ, Grant DM, Horton WJ, Sundby F, Vihelmsen K *J Am Chem Soc* 97: 5997-6008, 15 Oct 75 (Eng)

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

MODULATION OF MACROPHAGE FC RECEPTOR EXPRESSION IN VITRO BY INSULIN AND CYCLIC NUCLEOTIDES. Rhodes J *Nature* 257: 597-9, 16 Oct 75 (Eng)

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-CONTAINING MACROMOLECULES. Springer GF, Mittal KK, Terasaki PI, Desai RP, McIntire FC, Hirata AA *Z Immunitätsforsch* 145: 166-75, May 75 (Eng)

DELAYED HYPERSENSITIVITY IN NORMAL AND ALLEUTIC DISEASE-AFFECTED MINK. Munoz J, Lodmell DL, Race RE, Jackson TA, Hadow WJ *Z Immunitätsforsch* 147: 53-60, May 74 (Eng)

THE REACTION OF PENICILLIN WITH PROTEINS. Corran PH, Waley SG *Biochem J* 149: 357-64, Aug 75 (Eng)

Diabetes Literature—Hierarchical Index

I.C INSULIN

I.C.1 INSULIN, BIOCHEMISTRY RELATED

I.C.1.1 INSULIN, ISOLATION AND PURIFICATION

[SEMISYNTHETIC SHEEP DES-A1-GLYCINE INSULIN (AUTHORS TRANSL.)] Berndt H, Gattner HG, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1469-72, Sep 75 (Ger)

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

I.C.1.2 INSULIN, ANALYSIS

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

I.C.1.3 INSULIN, CHEMICAL SYNTHESIS

A CONVENIENT ESTERIFICATION OF INSULIN WITH BORON TRIFLUORIDE/METHANOL. Gattner HG, Schmitt EW, Naithani VK *Hoppe Seylers Z Physiol Chem* 356: 1465-7, Sep 75 (Eng)

[SEMISYNTHETIC SHEEP DES-A1-GLYCINE INSULIN (AUTHORS TRANSL.)] Berndt H, Gattner HG, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1469-72, Sep 75 (Ger)

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

I.C.1.4 INSULIN, BIOSYNTHESIS

THE EFFECTS OF D- AND L-GLYCERAL-DEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

STUDIES ON POLYPEPTIDES, VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Hedling LG, Larsen UD *Hoppe Seylers Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

DEGRADATION OF INSULIN IN SERUM BY INSULIN-SPECIFIC PROTEASE. Starr JJ, Juhn DD, Rubenstein AH *J Lab Clin Med* 86: 631-7, Oct 75 (Eng)

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL.)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

[HIGHLY PURIFIED INSULINS IN THE MODERN TREATMENT OF DIABETES] Woenckhaus JW *Med Klin* 70: 1401-7, 5 Sep 75 (Ger) [49]

I.C.1.5 INSULIN, METABOLISM

THE EFFECTS OF D- AND L-GLYCERAL-DEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

PROCEEDINGS: THE EFFECT OF PORTAL AND SYSTEMIC VENOUS DRAINAGE OF THE PANCREAS ON GLUCOSE AND INSULIN METABOLISM. Collin J, Taylor RM, Johnston ID *Br J Surg* 62: 660, Aug 75 (Eng)

IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hover BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)

METABOLIC STUDIES IN THE PYLONEPHRITIC RAT. Davidson MB *Diabetes* 24: 881-91, Oct 75 (Eng)

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannis E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

RELATION BETWEEN INSULIN AND GLUCOSE FLUX RATES IN THE DOG. Mitsuhashi O, Schucher R, Kalant N *J Lab Clin Med* 86: 683-9, Oct 75 (Eng)

REACTIVE HYPOGLYCEMIA. Hofeldt FD *Metabolism* 24: 1193-208, Oct 75 (Eng)

INSULIN AND THE KIDNEY. Rubenstein AH, Mako ME, Horwitz DL *Nephron* 15: 306-26, 1975 (Eng) [147]

[TURNOVER AND UTILIZATION OF GLUCOSE AND GLUCOSE SUBSTITUTES IN HUMAN AND ANIMALS] Froesch ER *Nutr Metab* 18 suppl 1: 30-44, 1975 (Ger)

[THE FUNDAMENTALS OF THE PHARMACOLOGY OF ANTIDIABETIC SUBSTANCES] Losert W *Pharmazie* 30: 422-33, Jul 75 (Ger) [184]

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]

AGING AND THE DISPOSITION OF GLUCOSE. Andres R, Tobin JD *Adv Exp Med Biol* 61: 239-49, 1975 (Eng)

GLYCEROL: MAJOR CONTRIBUTOR TO THE SHORT TERM PROTEIN SPARING EFFECT OF FAT EMULSIONS IN NORMAL MAN. Brennan MF, Fitzpatrick GF, Cohen KH, Moore FD *Ann Surg* 182: 386-94, Oct 75 (Eng)

ACVL INTERMEDIATES IN PENICILLOPEPSIN-CATALYSED REACTIONS AND A DISCUSSION OF THE MECHANISM OF ACTION OF PEPSINS. Takahashi M, Hofmann T *Biochem J* 147: 549-63, Jun 75 (Eng)

ESTIMATION OF HORMONE RECEPTOR AFFINITY BY COMPETITIVE DISPLACEMENT OF LABELED LIGAND: EFFECT OF CONCENTRATION OF RECEPTOR AND OF

LABELED LIGAND. Jacobs S, Chang K-J, Cuatrecasas P *Biochem Biophys Res Commun* 66: 687-92, 16 Sep 75 (Eng)

I.C.1.6 INSULIN, BLOOD

[EXPERIMENTAL PREDIABETES AND LATENT DIABETES IN RATS FOR A 1-YEAR-PERIOD AFTER PANCREATECTOMY AD D.CHOLEDUCHUM] Korec R *Cesk Fysiol* 24: 331-5, 1975 (Slo)

MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN. Gefel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

PLASMA GLUCAGON RESPONSE TO ARGinine INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weismann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG. Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfer P, Michael R, Knospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Freyre EJ, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

EFFECTS OF BURN INJURY ON INSULIN SECRETION AND ON SENSITIVITY TO INSULIN IN THE RAT IN VIVO. Frayn KN *Eur J Clin Invest* 5: 331-7, 29 Jul 75 (Eng)

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannis E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE. Pinter EJ, Tolis G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)

SERUM GROWTH HORMONE, SERUM IMMUNOREACTIVE INSULIN AND BLOOD GLUCOSE RESPONSE TO ORAL AND INTRAVENOUS DIAZEPAM IN MAN. Svalahti EK, Kanto JH *Int J Clin Pharmacol Biopharm* 12: 74-82, Jul 75 (Eng)

[SERUM AND PLASMA INSULIN LEVELS IN ZINC-DEFICIENT RATS FOLLOWING GLUCOSE STIMULATION] Roth HP, Kirchgessner M *Int J Vitam Nutr Res* 45: 201-8, 1975 (Ger)

DEGRADATION OF INSULIN IN SERUM BY INSULIN-SPECIFIC PROTEASE. Starr JI, Juhn DD, Rubenstein AH *J Lab Clin Med* 86: 631-7, Oct 75 (Eng)

RELATION BETWEEN INSULIN AND GLUCOSE FLUX RATES IN THE DOG. Mitsuhashi O, Schucher R, Kalant N *J Lab Clin Med* 86: 683-9, Oct 75 (Eng)

[STUDIES ON RADIOIMMUNOASSAY OF PEP-TIDE HORMONE USING POLYETHYLENEGLYCOL. PART 1. INSULIN (AUTHORS TRANSL)] Kihara A, Kikuchi A, Yaegashi T, Oara H *Jpn J Clin Pathol* 23: 449-52, Jun 75 (Jpn)

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL)] Grabner W, Matzki F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

[GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION. MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS (AUTHORS TRANSL)] Bittner R, Beger HG, Kraas E, Roscher R *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)

EFFECTS OF ORAL CONTRACEPTIVE AGENTS ON CARBOHYDRATE METABOLISM. Kalkhoff RK *J Steroid Biochem* 6: 949-56, Jun 75 (Eng) [88]

ABSENCE OF FACILITATED GLUCOSE DISPOSAL (STAUB-TRAUGOTT EFFECT) IN SUBJECTS WITH HYPOPITUITARISM. Abraitra C, Graham LA, Lawrence AM *Metabolism* 24: 1145-55, Oct 75 (Eng)

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DISPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

ALANINE-INDUCED AMINO ACID INTER-RELATIONSHIPS. Rossini AA, Aoki TT, Ganda OP, Soeldner JS, Cahill GF Jr *Metabolism* 24: 1185-92, Oct 75 (Eng)

[DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL)] Azzopardi J, Campbell JW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)

[COMPARATIVE USE OF GLIQUIDONE AND TOLBUTAMIDE ADMINISTERED INTRAVENOUSLY] Zilker T, Luders L, Bottermann P *Munch Med Wochenschr* 117: 1421-2, 5 Sep 75 (Ger)

[EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Ziler T, Walldthaler A, Ermler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)

FUEL HOMEOSTASIS IN EXERCISE. Felig P, Wahren J *N Engl J Med* 293: 1078-84, 20 Nov 75 (Eng)

DIETARY CARBOHYDRATES AND HYPERLIPIDEMIC STATES IN MAN. Bierman EL *Nutr Metab* 18 suppl 1: 108-14, 1975 (Eng)

[CARBOHYDRATES FOR THE INFLUENCING OF EFFICIENCY IN SPORT MEDICINE] Keul L *Nutr Metab* 18 suppl 1: 157-70, 1975 (Ger)

[SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehnert H, Dietze G, Haslbeck M *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)

[POSTOPERATIVE PARENTERAL NUTRITION] Goschke H, Leutenegger A, Gruber UF *Nutr Metab* 18 suppl 1: 197-208, 1975 (Ger)

QUANTITATIVE COMPARISON AND EVALUATION OF UTILIZATION OF PARENTERAL ADMINISTERED CARBOHYDRATES. Heuckenkamp PU, Zollner N *Nutr Metab* 18 suppl 1: 209-26, 1975 (Eng)

[IMMUNOREACTIVE INSULIN IN CHILDREN FOLLOWING ORAL ADMINISTRATION OF CAFFEINE] Walczak M, Michalkiewicz M, Piontek E *Pediatr Pol* 50: 1119-23, Sep 75 (Pol)

METABOLIC STUDIES FOLLOWING THORACOTOMY FOR LUNG CANCER WITH PARTICULAR REFERENCE TO POSTOPERATIVE ATRIAL FIBRILLATION. Alstrup P, Sorensen HR *Scand J Thorac Cardiovasc Surg* 9: 149-53, 1975 (Eng)

THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotze JP, Steinberg D *S Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynger H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)

EFFECTS OF ABDOMINAL SURGERY UNDER GENERAL ANAESTHESIA AND OF POSTOPERATIVE ANALGESIC THERAPY ON Splanchnic EXCHANGE OF SOME BLOOD BORNE ENERGY METABOLITES. Wiklund L, Jorfeldt I *Acta Anaesthesiol Scand [Suppl]* 41-58, 1975 (Eng)

STUDIES ON FORMATION OF COMPLEXES OF INSULIN WITH BASIC PEPTIDES ISOLATED FROM THE PLASMA OF UREMIC PATIENTS. Lutz W *Acta Med Pol* 16: 159-70, 1975 (Eng)

EFFECTS OF MEDIUM CHAIN TRIGLYCERIDES ON PORTAL AND ARTERIAL LEVELS OF INSULIN, FFA AND GLUCOSE IN PATIENTS WITH PANCREATIC DISEASE. Rojdmarm S *Acta Med Scand* 198: 123-6, Jul-Aug 75 (Eng)

[INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS] Certhoux J, Grandeau C, Colombio J, Le Devehat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)

GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhos O, Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

I.C.1.7 INSULIN, URINE

INSULIN AND THE KIDNEY. Rubenstein AH, Mako ME, Horwitz DL *Nephron* 15: 306-26, 1975 (Eng) [147]

1.C.2 INSULIN, PHYSIOLOGY RELATED

1.C.2.1 INSULIN, PHYSIOLOGY

LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WP, Martin GM *Brain Res* 96: 156-60, 10 Oct 75 (Eng)

INSULIN AND THE KIDNEY. Rubenstein AH, Mako ME, Horwitz DL *Nephron* 15: 306-26, 1975 (Eng) [147]

[DYSLIPIDEMIAS AND HORMONES] Orlandi F, Serra D *Minerva Med* 66: 3381-7, 3 Oct 75 (Ita)

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

PROTOTYPE FOR AN IMPLANTABLE INSULIN DELIVERY PUMP. Thomas LJ, Bessman SP *Proc West Pharmacol Soc* 18: 393-8, 1975 (Eng)

1.C.2.2 INSULIN, SECRETION

THE EFFECTS OF D- AND L-GLYCERAL-DEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS. II. Grodsky GM, Fanska R, Lundquist I *Endocrinology* 97: 573-80, Sep 75 (Eng)

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Frey JC, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

EFFECTS OF BURN INJURY ON INSULIN SECRETION AND ON SENSITIVITY TO INSULIN IN THE RAT IN VIVO. Frayn KN *Eur J Clin Invest* 5: 331-7, 29 Jul 75 (Eng)

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr *Diabetes* 24: 910-4, Oct 75 (Eng)

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYL-PREDNISOLONE. Issekutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCAEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

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1.C INSULIN

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumebach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H. *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K. *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL.)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H. *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

[GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION. MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS (AUTHORS TRANSL.)] Bittner R, Beger HG, Kraus E, Roscher R. *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)

[CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI. *Klin Med (Mosk)* 52: Feb 74 (Rus) [112]

GLUCORECEPTORS, INSULIN RELEASE, AND DIABETES. Anonymous. *Lancet* 2: 646-7, 4 Oct 75 (Eng)

LETTER: IS DIABETES MELLITUS A DISORDER OF THE GLUCORECEPTOR? Niki A, Niki H. *Lancet* 2: 658, 4 Oct 75 (Eng)

[ORAL ADMINISTRATION OF AN ACIDIFEROUS DRUG AND ITS EFFECT ON CARBOHYDRATE METABOLISM OF MATURITY-ONSET-DIABETICS TREATED BY ORAL HYPOLYCAEMIC AGENTS] Klein W. *Med Klin* 70: 1432-6, 5 Sep 75 (Ger)

[COMPARATIVE USE OF GLIQUIDONE AND TOLBUTAMIDE ADMINISTERED INTRAVENOUSLY] Zilker T, Liders L, Bottermann P. *Munch Med Wochenschr* 117: 1421-2, 5 Sep 75 (Ger)

[EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Zilker T, Waldthaler A, Ermler R, Bottermann P. *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)

[ACTION OF PHENYTOIN ON GLUCOREGULATION] Hazard J, Perlemuter L. *Nouv Presse Med* 4: 2263-5, 27 Sep 75 (Fre)

[DISORDERS OF CARBOHYDRATE METABOLISM IN PATIENTS WITH RENAL FAILURE] Rutkowski B, Kicinska M. *Pol Tyg Lek* 30: 1587-90, 22 Sep 75 (Pol) [37]

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION, INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML. *Rev Clin Exp* 138: 321-6, 31 Aug 75 (Spa)

[INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA] Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sanmartin P, Acosta M, Cerdan Vallejo A. *Rev Clin Exp* 138: 425-32, 15 Sep 75 (Spa)

ACUTE EFFECTS OF EXOGENOUS GROWTH HORMONE IN MAN: TIME- AND DOSE-BOUND MODIFICATION OF GLUCOSE TOLERANCE AND GLUCOSE-INDUCED INSULIN RELEASE. Adamson U, Cerasi E. *Acta Endocrinol (Kbh)* 80: 247-61, Oct 75 (Eng)

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H

Biochem Biophys Res Commun 66: 928-34, 6 Oct 75 (Eng)

[STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL.)] Krause U, Puchinger H, Wacker A. *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)

THE USE OF INHIBITORS IN THE STUDY OF HORMONE MECHANISMS IN CELL CULTURE. Scott WA, Tomkins GM. *Methods Enzymol* 40: 273-93, 1975 (Eng)

1.C.3 INSULIN, PHARMACOLOGY RELATED

1.C.3.1 INSULIN, PHARMACODYNAMICS

STIMULATION OF SUGAR TRANSPORT IN RAT DIAPHRAGM BY 8-BROMOGUANOSINE 3,5-MONOPHOSPHATE. Pinkett MO, Perlman RL. *Biochim Biophys Acta* 399: 473-7, 13 Aug 75 (Eng)

PROCEEDINGS: EFFECT OF THE HISTAMINE H2 RECEPTOR ANTAGONIST, CIMETIDINE, ON INSULIN-INDUCED GASTRIC SECRETION IN MAN. Carter DC, Logan R, Forrest JA, Ansell I, Heading RC. *Br J Surg* 62: 664-5, Aug 75 (Eng)

VALUE OF PERIOPERATIVE ACID TESTS IN PREDICTING RECURRENT ULCERATION AFTER VAGOTOMY. Hood JM, Spencer EF, Macrae KD, Kennedy T. *Br J Surg* 62: 665, Aug 75 (Eng)

LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WF, Martin GM. *Brain Res* 96: 156-60, 10 Oct 75 (Eng)

[THE MECHANISM OF THE FAVORABLE EFFECT OF INSULIN ON STRIATE MUSCULATURE FOLLOWING REMOVAL OF PLASTER CASTS] Rusev G, Radev S, Nakov D, Dzhirikolova T. *Exp Med Morfol* 11: 96-101, 1972 (Bul)

EFFECT OF INSULIN ON METABOLISM OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE BY PLASMA CELL TUMOR (MPC-11). Nassem SM, Hollander VP. *Endocr Res Commun* 2: 251-9, 1975 (Eng)

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T. *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS. *Eur J Biochem* 56: 375-83, 15 Aug 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissebah AH, Clarke P, Vydellingum N, Hope-Gill H, Tulloch B, Fraser TR. *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV,

Kissebah AH, Hope-Gill H, Vydellingum N, Tulloch B, Fraser TR. *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

EFFECTS OF GLUCAGON AND INSULIN ON THE PANETH CELLS OF THE MOUSE DUODENUM. Ahonen A, Penttilä A. *Experientia* 31: 1074-5, 15 SEP 75 (Eng)

EFFECT OF INSULIN ON THE GLUCOSE UPTAKE OF PROTOZOA. Csaba G, Lantos T. *Experientia* 31: 1097-8, 15 SEP 75 (Eng)

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr. *Diabetes* 24: 905-9, Oct 75 (Eng)

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr. *Diabetes* 24: 910-4, Oct 75 (Eng)

TIME COURSE OF TERMINATION OF THE GLUCOSE TRANSPORT ACTION OF INSULIN IN ADIPOCYTES. Crofford OB. *J Biol Chem* 250: 7089-902, 25 Sep 75 (Eng)

INSULIN-SENSITIVE PHOSPHODIESTERASE, ITS LOCALIZATION, HORMONAL STIMULATION, AND OXIDATIVE STABILIZATION. Kono T, Robinson FW, Sarver JA. *J Biol Chem* 250: 7826-35, 10 Oct 75 (Eng)

EARLY CELLULAR RESPONSES TO DIVERSE GROWTH STIMULI INDEPENDENT OF PROTEIN AND RNA SYNTHESIS. Rubin H, Koide T. *J Cell Physiol* 86: 47-58, Aug 75 (Eng)

INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paeppe M, Marcus S, Peeters G. *J Endocrinol* 66: 213-24, Aug 75 (Eng)

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M. *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH. *JAMA* 234: 159-5, 13 Oct 75 (Eng)

EFFECTS OF ORAL CONTRACEPTIVE AGENTS ON CARBOHYDRATE METABOLISM. Kalkhoff RK. *J Steroid Biochem* 6: 949-56, Jun 75 (Eng) [88]

[SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU. *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

[MEMBRANE-BOUND HORMONE RECEPTORS. PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS] Chevillotte E, Devynck MA, Meyer P, Rouzaire-Dubois B. *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]

INITIATION OF CELL PROLIFERATION IN CULTURED MOUSE FIBROBLASTS BY PROSTAGLANDIN FALPHA. De Asua LJ, Clingan D, Rudland PS. *Proc Natl Acad Sci USA* 72: 2724-8, Jul 75 (Eng)

POTENTIATION OF THE HEPATOTOXIC RESPONSES TO CHEMICALS IN ALLOXAN-DIABETIC RATS. Hanazono GK, Witschi H, Plaa GL. *Proc Soc Exp Biol Med* 149: 903-7, Sep 75 (Eng)

1.C INSULIN

A COMPARISON OF THE EFFECTS OF OUABAIN ON SUGAR AND SODIUM TRANSPORT AND ON CONTRACTILE ACTIVITY OF ISOLATED ATRIA. Bihler I, Sawh PC *Proc West Pharmacol Soc* 18: 106-9, 1975 (Eng)

EFFECT OF DIABETES ON GOLD THIOGLUCOSE LESIONS IN RATS. Kellar KJ, Sterling GH, ONeill JJ *Proc West Pharmacol Soc* 18: 380-3, 1975 (Eng)

[THE FUNDAMENTALS OF THE PHARMACOLOGY OF ANTIDIABETIC SUBSTANCES] Losert W *Pharmazie* 30: 422-33, Jul 75 (Ger) [184]

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irueta O, Foglia VG *Rev Soc Argent Biol* 48: 49-48-60, Apr 72-Nov 73 (Spa)

THE INSULIN TEST: NEGATIVE AND POSITIVE TESTS VERSUS NUMERICAL VALUES. Emas S, Borg I *Scand J Gastroenterol* 10: 609-16, 1975 (Eng)

EFFECT OF POLYCLONAL B-CELL ACTIVATORS ON DNA SYNTHESIS IN FIBROBLASTS. Persson U, Moller G *Scand J Immunol* 4: 527-34, Sep 75 (Eng)

MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiumello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

PLASMA ALDOSTERONE IN ANEPHRIC AND NON-NEPHRECTOMIZED DIALYSIS PATIENTS IN RELATION TO CHANGES IN PLASMA POTASSIUM WITHOUT CHANGE IN TOTAL POTASSIUM BALANCE. Olgaard K *Acta Med Scand* 198: 213-8, Sep 75 (Eng)

AGING AND THE DISPOSITION OF GLUCOSE. Andres R, Tobin JD *Adv Exp Med Biol* 61: 239-49, 1975 (Eng)

GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Delcon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-COA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroeff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

[PROTECTIVE EFFECT OF GLUCOSE-INSULIN-POTASSIUM SOLUTIONS IN MYOCARDIAL DAMAGE CAUSED BY EMETINE] de Micheli A, Medrano GA, Villarreal A, Sodi-Palares D *Arch Inst Cardiol Mex* 45: 469-86, Jul-Aug 75 (Spa)

INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY-GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Ilie V *Biochem J* 150: 145-52, Aug 75 (Eng)

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)

CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN. Topper YJ, Vonderhaar BK, Wilchek M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)

1.C.3.2 INSULIN, ANTAGONISTS AND INHIBITORS

[DISORDERS OF CARBOHYDRATE METABOLISM IN PATIENTS WITH RENAL FAILURE] Rutkowski B, Kicinska M *Pol Tyg Lek* 30: 1587-90, 22 Sep 75 (Pol) [37]

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

1.C.3.3 INSULIN, ADVERSE EFFECTS

[HIGHLY PURIFIED INSULINS IN THE MODERN TREATMENT OF DIABETES] Woenckhaus JW *Med Klin* 70: 1401-7, 5 Sep 75 (Ger) [49]

[HEART DEATH AND ORAL ANTIDIABETICS: THE LAST JUDGEMENT] Toubert JL *Ned Tijdschr Geneesk* 119: 1506-8, 27 Sep 75 (Dut)

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

1.C.4 HYPERINSULINISM

DRUG INTERACTION: DIAZOXIDE AND DIPHENYLHYDANTOIN. Roe TF, Podosin RL, Blaskovics ME *J Pediatr* 87: 480-4, Sep 75 (Eng)

DIAGNOSIS AND TREATMENT OF PANCREATIC BETA-CELL TUMOR. Skjoldborg H, Olsen TS, Lundbaek K, Madsen B *Surg Annu* 7: 219-39, 1975 (Eng) [43]

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

1.C.4.1 INSULIN COMA

PROCEEDINGS: CUTANEOUS MICROCIRCULATION AND INSULIN SHOCK. Asano M, Okubo C, Ogawa S, Miwa R *J Physiol Soc Jpn* 36: 382, 1 Sep 74 (Eng)

1.C.5 INSULIN ANTIBODIES

[HIGHLY PURIFIED INSULINS IN THE MODERN TREATMENT OF DIABETES] Woenckhaus JW *Med Klin* 70: 1401-7, 5 Sep 75 (Ger) [49]

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)

1.C.6 INSULIN RESISTANCE

EFFECTS OF BURN INJURY ON INSULIN SECRETION AND ON SENSITIVITY TO INSULIN IN THE RAT IN VIVO. Frayn KN *Eur J Clin Invest* 5: 331-7, 29 Jul 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissebah AH, Hope-Gill H, Vydellingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannides E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

LIPODYSTROPHY OF THE EXTREMITIES. A DOMINANTLY INHERITED SYNDROME ASSOCIATED WITH LIPATROPHIC DIABETES. Kohberling J, Wilms B, Kattermann R, Creutzfeldt W *Humangenetik* 29: 111-20, 10 Sep 75 (Eng)

[CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Rus) [112]

[HIGHLY PURIFIED INSULINS IN THE MODERN TREATMENT OF DIABETES] Woenckhaus JW *Med Klin* 70: 1401-7, 5 Sep 75 (Ger) [49]

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

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CLOBETASONE BUTYRATE, A NEW TOPICAL CORTICOSTEROID: CLINICAL ACTIVITY AND EFFECTS ON PITUITARY-ADRENAL AXIS FUNCTION AND MODEL OF EPIDERMAL ATROPHY. Munro DD, Wilson L *Br Med J* 3: 626-8, 13 Sep 75 (Eng)

[KALLMANS SYNDROME--HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodectm* 91: 649-56, 1975 (Fin)

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannides E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyte KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN. Hamet P, Lowder SC, Hardman JG, Liddle GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

THE INSULIN TEST: NEGATIVE AND POSITIVE TESTS VERSUS NUMERICAL VALUES. Emas S, Borg I *Scand J Gastroenterol* 10: 609-16, 1975 (Eng)

CLINICAL, SECRETORY AND MOTOR EFFECTS OF SELECTIVE PROXIMAL VAGOTOMY. A THREE-YEAR FOLLOW-UP. Moberg S, Hedenstedt S *Acta Chir Scand* 141: 203-7, 1975 (Eng)

LIPOTROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYSTROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiumello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)

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1.D GLUCAGON

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[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

1.D GLUCAGON

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle JJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

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IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labruno B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

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THE EFFECT OF FASTING ON TISSUE CYCLIC CAMP AND PLASMA GLUCAGON IN THE OBSE HYPERGLYCEMIC MOUSE. Lavine RL, Voyles N, Perrino PV, Recant L *Endocrinology* 97: 615-20, Sep 75 (Eng)

IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hover BA, Ellerman J, Matschinsky JM *Endocrinology* 97: 698-708, Sep 75 (Eng)

[CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Russ) [112]

ALTERATIONS OF LIPID METABOLISM BY CONTRACEPTIVE STEROIDS. Beck P *J Steroid Biochem* 6: 957-9, Jun 75 (Eng) [58]

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EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)

[IMMUNOMORPHOLOGICAL AND HISTOCHEMICAL CHANGES IN THE LYMPHOID ORGANS IN EXPERIMENTAL OPISTHOCHIASIS. COMMUNICATION II. SUPERINVASION] Klebanovskaia IA *Med Parazit (Mosk)* 44: 460-4, Jul-Aug 75 (Rus)

[TURNOVER AND UTILIZATION OF GLUCOSE AND GLUCOSE SUBSTITUTES IN HUMAN AND ANIMALS] Froesch ER *Nutr Metab* 18 suppl 1: 30-44, 1975 (Ger)

METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]

OSMOLAR CONTROL OF THE CIRCULATION IN HEMORRHAGIC HYPOTENSION. AN EXPERIMENTAL STUDY IN THE CAT. Jarhult J *Acta Physiol Scand [Suppl]* 1-84, 1975 (Eng)

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

1.D.1.3 GLUCAGON, BLOOD

PROCEEDINGS: DIURNAL RHYTHM OF GASTRIN AND GLUCAGON. Ellis BW, Russell RC, Bloom SR, Dudley HA *Br J Surg* 62: 664, Aug 75 (Eng)

EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG. Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

NITROGEN LOSS IN NORMAL AND OBESE SUBJECTS DURING TOTAL FAST. Goschke H, Stahl M, Tholen H *Klin Wochenschr* 53: 605-10, 1 Jul 75 (Eng)

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DISPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)

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FUEL HOMEOSTASIS IN EXERCISE. Felig P, Wahren J *N Engl J Med* 293: 1078-84, 20 Nov 75 (Eng)

EFFECTS OF NHH UPON PLASMA GLUCAGON AND GLUCOSE IN RATS. Horak E, Sunderman FW Jr *Toxicol Appl Pharmacol* 33: 388-91, Aug 75 (Eng)

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynger H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

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PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josephberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissmann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS. II. Grodsky GM, Fanks R, Lundquist I *Endocrinology* 97: 572-80, Sep 75 (Eng)

ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)

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DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

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STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilgis SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

METABOLIC RESPONSES OF PERFUSED RAT LIVERS TO ALPHA- AND BETA-ADRENERGIC AGONISTS, GLUCAGON AND CYCLIC AMP. Jakob A, Diem S *Biochim Biophys Acta* 404: 57-66, 8 Sep 75 (Eng)

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Ue M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

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Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

ATRIAL FIBRILLATION. Billette J, Roberge FA, Nadeau RA *Can J Physiol Pharmacol* 53: 575-85, Aug 75 (Eng)

THE EFFECT OF GLUCAGON ON GLOMERULAR FILTRATION RATE IN DOGS DURING REDUCTION OF RENAL BLOOD FLOW. Levy M *Can J Physiol Pharmacol* 53: 660-8, Aug 75 (Eng)

GLUCAGON-INDUCED CHANGES IN THE ACTION POTENTIAL, CONTRACTION, AND NA&K-ATPASE OF CARDIAC MUSCLE. Prasad K *Cardiovasc Res* 9: 355-65, May 75 (Eng)

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS *Eur J Biochem* 55: 375-83, 15 Aug 75 (Eng)

EFFECTS OF GLUCAGON AND INSULIN ON THE PANETH CELLS OF THE MOUSE DUODENUM. Ahonen A, Penttilä A *Experientia* 31: 1074-5, 15 SEP 75 (Eng)

ACTIONS OF GASTROINTESTINAL HORMONES AND RELATED PEPTIDES ON THE MOTOR FUNCTION OF THE BILIARY TRACT. Lin TM *Gastroenterology* 69: 1006-22, Oct 75 (Eng) [137]

GLUCAGON STIMULATION OF MITOCHONDRIAL RESPIRATION. Yamazaki RK *J Biol Chem* 250: 7924-30, 10 Oct 75 (Eng)

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED RATS. Kuroshima A, Doi K, Kurahashi M, Ono T *Jpn J Physiol* 25: 275-85, 1975 (Eng)

AMINOISOBUTYRIC ACID TRANSPORT IN PRIMARY CULTURES OF NORMAL ADULT RAT HEPATOCYTES. Ayala E, Canonico PG *Proc Soc Exp Biol Med* 149: 1019-22, Sep 75 (Eng)

[INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerrato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Exp* 138: 107-11, 31 Jul 75 (Spa)

PHARMACOLOGIC EFFECTS OF GASTROINTESTINAL HORMONES ON INTESTINAL OXYGEN CONSUMPTION AND BLOOD FLOW. Bowen JC, Pawlik W, Fang WF, Jacobson ED *Surgery* 78: 515-9, Oct 75 (Eng)

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

[THE CALORIGENIC EFFECT OF GLUCAGON] Krimphove M, Opitz K *Arch Int Pharmacodyn Ther* 216: 328-50, Aug 75 (Ger)

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

1.D.3.3 GLUCAGON, TOXICITY

1.D.4 GLUCAGON, THERAPY RELATED

1.D.4.1 GLUCAGON, DIAGNOSTIC USE

[VENTRICULAR ARRHYTHMIA DURING GLUCAGON TEST FOR PHEOCHROMOCYTOMA] Shasha SM, Better OS *Harefuah* 89: 256-7, 16 Sep 75 (Heb)

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larrodera L, Ramirez A, Florez Tascon M, Schuller A *Rev Clin Exp* 138: 475-9, 15 Sep 75 (Spa)

DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

1.D.4.2 GLUCAGON, THERAPEUTIC USE

PREVENTION BY GLUCAGON OF EXPERIMENTAL STRESS INDUCED HEMORRHAGIC GASTRITIS. Guth PH, McCroff JC, Paulsen G, Isenberg JJ *Gastroenterology* 69: 1048-50, Oct 75 (Eng)

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

1.E.1 BLOOD SUGAR

CLINICAL TRIAL OF GLIBORNURIDE IN DIABETES. Logic AW, Stowers JM *Br Med J* 3: 514-5, 30 Aug 75 (Eng)

SURVEY OF DIETARY POLICY AND MANAGEMENT IN BRITISH DIABETIC CLINICS. Truswell AS, Thomas BJ, Brown AM *Br Med J* 4: 7-11, 4 Oct 75 (Eng)

MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN. Gefel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paeppe M, Marcus S, Peeters G *J Endocrinol* 66: 213-24, Aug 75 (Eng)

[POSTOPERATIVE PARENTERAL NUTRITION] Goschke H, Leutenegger A, Gruber UF *Nutr Metab* 18 suppl 1: 197-208, 1975 (Ger)

[LETTER: PRACTICAL IMPORTANCE OF SORBITOL IN DIABETOLOGY] Heraud G, Roux E, Stach JL *Nouv Presse Med* 4: 2113 (2), 13 Sep 75 (Fre)

POTENTIATION OF THE HEPATOTOXIC RESPONSES TO CHEMICALS IN ALLOXAN-DIABETIC RATS. Hanazono GK, Witschi H, Plaa GL *Proc Soc Exp Biol Med* 149: 903-7, Sep 75 (Eng)

[ACHILLEAN REFLEXOGRAM : ITS MEASUREMENT AND ITS CORRELATIONS WITH VARIOUS CLINICAL AND BIOLOGICAL FACTORS IN 2 WORKING MALE POPULATIONS] Kritsikis S, Ducimetiere P, Richard JL *Sem Hop Paris* 51: 2109-17, 10-20 Jul 75 (Fre)

[EDITORIAL: ADVANCED DIABETES AND THE AUTONOMIC NERVOUS SYSTEM] Juell Christensen N, Gundersen HJ *Ugeskr Laeger* 137: 2207-8, 15 Sep 75 (Dan)

OSMOLAR CONTROL OF THE CIRCULATION IN HEMORRHAGIC HYPOTENSION. AN EXPERIMENTAL STUDY IN THE CAT. Jarhult J *Acta Physiol Scand [Suppl]* 1-84, 1975 (Eng)

EFFECTS OF MEDIUM CHAIN TRIGLYCERIDES ON PORTAL AND ARTERIAL LEVELS OF INSULIN, FFA AND GLUCOSE IN PATIENTS WITH PANCREATIC DISEASE. Rojdmarm S *Acta Med Scand* 198: 123-6, Jul-Aug 75 (Eng)

ANAESTHESIA FOR OPEN HEART SURGERY IN THE CALF. Gerring EL, Scarth SC *Br J Anaesth* 46: 455-60, Jun 74 (Eng)

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etievent J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

STUDIES IN CALCIUM METABOLISM IN INFANTS WITH INTRAUTERINE GROWTH RETARDATION. Tsang RC, Gigger M, Oh W, Brown DR *J Pediatr* 86: 936-41, Jun 75 (Eng)

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)

ROLE OF ELEVATED GLUCOSE CONCENTRATIONS IN THE HEMOLYSIS OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT ERYTHROCYTES (38474). Glader BE *Proc Soc Exp Biol Med* 148: 50-3, Jan 75 (Eng)

[BIOCHEMICAL AND CLINICAL FINDINGS IN CONGENITAL ABNORMALITIES OF GALACTOSE METABOLISM (AUTHORS TRANSL)] Sitzmann FC, Kaloud H, Istvan I *Wien Klin Wochenschr* 87: 12-8, 10 Jan 75 (Ger)

[THEORETICAL ASPECTS OF FIGHTING CANCER RECURRENCE (AUTHORS TRANSL)] von Ardenne M *Wien Klin Wochenschr* 87: 7-12, 10 Jan 75 (Ger)

CERTAIN NON-AUDITORY PHYSIOLOGICAL RESPONSES TO NOISES. Brown JE, Thompson RN, Folk ED *Am Ind Hyg Assoc J* 36: 285-91, Apr 75 (Eng)

CARBOHYDRATE METABOLISM AND ITS RESPONSE TO CATECHOLAMINES AS MODIFIED IN ALKALOTIC RAT. Yajima M, Uti M *Am J Physiol* 228: 1046-52, Apr 75 (Eng)

THE HUMAN TOXICOLOGY OF DIMETHYL SULFOXIDE. Brobyn RD *Ann NY Acad Sci* 243: 497-506, 27 Jan 75 (Eng)

EFFECTS OF L-THYROXINE ON THE INTERMEDIARY METABOLISM OF THE SPOTTED MUNIA, *LONGCHURA PUNCTULATA*. Thapliyal JP, Garg RK, Murty GS, Gupta SC *Gen Comp Endocrinol* 25: 31-5, Jan 75 (Eng)

AN ASSESSMENT OF THE REPRODUCIBILITY AND SAFETY OF 2-DEOXY-D-GLUCOSE AS A GASTRIC ACID STIMULANT IN DUODENAL ULCER PATIENTS. Gough AL, Keddie NC *Gut* 16: 171-5, Mar 75 (Eng)

[THERAPY OF CORONARY HEART DISEASE USING CORNELIAN-DIGOTAB. RESULTS OF A DOUBLE BLIND STUDY] Messerich J *Fortschr Med* 92: 1367-71, 21 Nov 74 (Ger)

INTERPRETING LABORATORY DATA. MONITORING THE GERIATRIC PATIENT. Bender KJ, Grams RR *J Am Pharm Assoc* 15: 21-3, Jan 75 (Eng)

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

- PLASMA ADRENALINE CONCENTRATIONS IN RATS: INFLUENCE OF ANAESTHETICS AND HEART RATE RESPONSE TO PRONETHALOL.** Dean HG, Rylett PA *J Pharm Pharmacol* 27: 70-1, Jan 75 (Eng)
- PROCEEDINGS: BLOOD FLOW AND SUBSTRATE UPTAKE AND OXIDATION IN THE HIND LIMB MUSCLES OF SHEEP.** Domanski A, Linksy DB, Setchell BP *J Physiol (Lond)* 242: 28-29P, Oct 74 (Eng)
- METABOLISM OF BLOOD GLUCOSE BY THE INTACT FUNCTIONING KIDNEY OF THE DOG.** Pitts RF, MacLeod MB *Kidney Int* 7: 130-6, Mar 75 (Eng)
- PHARMACOLOGICAL STUDIES OF SNAKE (BITIS ARIETANS) VENOM.** Osman OH, Gumaa KA *Toxicol* 12: 569-75, Dec 74 (Eng)
- ## 1.E.1.1 BLOOD SUGAR, ANALYSIS
- PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS.** Josefsberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissman I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)
- HYPCHOLESTEROLEMIC ACTIVITY OF COLESTIPOL IN DIABETES.** Bandisod MS, Boshell BR *Curr Ther Res* 18: 276-84, Aug 75 (Eng)
- EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPGLYCEMIA IN PREGNANCY.** Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)
- THE METABOLIC SPECTRUM OF HALOFENATE.** Ryan JR *Int J Clin Pharmacol Biopharm* 12: 239-43, Jul 75 (Eng)
- L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE.** Pinter EJ, Tolls G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)
- FAMILIAL CANINE DIABETES MELLITUS.** Gershow LJ *J Am Vet Med Assoc* 167: 479-80, 15 Sep 75 (Eng)
- CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL.** Frantz ID 3d, Medina G, Tausch HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng)
- ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS.** Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-65, 13 Oct 75 (Eng)
- EDITORIAL: HYPGLYCEMIA DURING FASTING.** Ricketts HT *JAMA* 234: 186, 13 Oct 75 (Eng)
- [INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL.)]** Hausmann L, Goebel KM, Klahn D, Kalfarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)
- [CARBOHYDRATE METABOLISM IN LIVER DISEASES]** Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Eng) [112]
- [ORAL ADMINISTRATION OF AN ACIDIFEROUS DRUG AND ITS EFFECT ON CARBOHYDRATE METABOLISM OF MATURE-ONSET-DIABETICS TREATED BY ORAL HYPGLYCEMIC AGENTS]** Klein W *Med Klin* 70: 1432-6, 5 Sep 75 (Ger)
- FUEL HOMEOSTASIS IN EXERCISE.** Felig P, Wahren J *N Engl J Med* 293: 1078-84, 20 Nov 75 (Eng)
- [COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANN'S, GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQUES DURING THE ORAL GLUCOSE TOLERANCE TEST]** Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)
- EFFECTS OF NIHH UPON PLASMA GLUCAGON AND GLUCOSE IN RATS.** Horak E, Sunderman FW Jr *Toxicol Appl Pharmacol* 33: 388-91, Aug 75 (Eng)
- [EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS]** Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)
- UPTAKE OF LABELLED-N-NITROSOMETHYLEUREA IN THE PANCREATIC ISLETS.** Wilander E, Tjalve H *Virchows Arch [Pathol Anat]* 367: 27-33, 23 Jun 75 (Eng)
- STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION.** Brynger H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)
- HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN.** Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)
- LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION.** Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)
- [DIABETIC FETO- AND EMBRYOPATHIES]** Gulkevich IuV, Minkovich BM *Arkhl Patol* 37: 3-13, 1975 (Rus)
- [REFERENCE METHOD FOR THE ESTIMATION OF GLYCAEMIA BY GAS-LIQUID CHROMATOGRAPHY (AUTHORS TRANSL.)]** Cahour A, Lebbe J, Hartmann L *Clin Chim Acta* 55: 139-46, 16 Sep 74 (Fre)
- THE EXSORPTION CHARACTERISTICS OF VARIOUS SUGARS.** Axon ATR, Creamer B *Gut* 16: 99-104, Feb 75 (Eng)
- [THE ACTION OF THE ANTIHYPERTENSIVE AGENT BENDIGON ON SERUM LIPIDS (AUTHORS TRANSL.)]** Studlar M *Med Klin* 70: 102-5, 17 Jun 75 (Ger)
- [SOME DATA ON THE CHARACTERISTICS OF ANIMALS FOLLOWING CHRONIC ISOLATION OF THE MEDIAN-BASAL HYPOTHALAMUS]** Maslova LN *Patol Fiziol Eksp Ter* 43-8, Jan-Feb 74 (Rus)
- EVIDENCE FOR BENEFICIAL EFFECT OF INTRAVENOUS GLUCOSE ON THE HEMODYNAMIC RESPONSE TO ACUTE ASPHYXIA.** Scholle SF, Griggs DM Jr *Proc Soc Exp Biol Med* 148: 743-7, Mar 75 (Eng)
- METABOLISM RATE, BIOCHEMICAL AND ENDOCRINE ALTERATIONS IN MALE WHIRLER MICE.** Weltman AS, Sackler AM, Lewis AS, Johnson L *Physiol Behav* 5: 17-22, Jan 70 (Eng)
- EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST TWO MONTHS OF PREGNANCY.** Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)
- SUCCESSFUL ORTHOTOPIC ALLOTRANSPLANTATION OF HEARTS FROM DOGS IN IRREVERSIBLE SHOCK.** Culpepper RD, Kondo Y, Hardy JD, Turner MD *Surgery* 77: 126-31, Jan 75 (Eng)
- [LABORATORY DIAGNOSIS OF LIVER DISEASES IN THE HORSE.** 2] Sova ZD *Tierarztl Prax* 1: 311-20, 1973 (Ger)
- SEX-DIFFERENCE IN THE RESPONSE TO DIFFERENT KINDS OF DIETARY CARBOHYDRATES IN RATS.** Takemoto T *Tohoku J Exp Med* 115: 213-22, Mar 75 (Eng)
- [THE EFFECT OF INCREASED ADRENOCORTICAL SECRETION ON BLOOD GLUCOSE LEVELS IN PIGLETS]** Raszyk J *Vet Med (Praha)* 19: 60-7, Oct 74 (Cze)
- [CHRONIC ZINC-BACITRACIN TOXICITY IN CHICKENS]** Simionov S, Pashov D, Peinikova Ts, Dzhurov A *Vet Med Nauki* 12: 100-5, 1975 (Bul)
- [COURSE OF CORONARY DISEASE, EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY]** Kugler G, Johannes E, Rodiger W, Westermann KW *Z Kardiol* 64: 245-54, Mar 75 (Ger)
- DERMATITIS HERPETIFORMIS AND SMALL INTESTINAL LESION--NO STRICT ASSOCIATION IN GERMAN PATIENTS.** Rupp H, Weidner F, Domschke S, Domschke W, Classen M, Hornstein OP *Acta Hepatogastroenterol (Stuttg)* 22: 105-11, Apr 75 (Eng)
- SIGNIFICANCE OF GASTRIC SECRETORY CHANGES IN THE PATHOGENESIS OF STRESS ULCERS.** Hase T, Anderson PR, Mehlman B *Am J Dig Dis* 20: 443-9, May 75 (Eng)
- DETERMINATION OF NORMAL VALUES FROM A HOSPITAL POPULATION.** Collins PP *Am J Med Technol* 41: 173-9, May 75 (Eng)
- A CASE OF ACUTE ADRENOCORTICAL FAILURE ON THE SECOND DAY FOLLOWING MITRAL COMMISUROTOMY.** Holdrowicz M, Szymanska M *Anaesth Resusc Intensiv Ther* 2: 373-7, Oct-Dec 74 (Eng)
- NEONATAL SECRETION OF SECRETIN.** Rogers IM, Davidson DC, Lawrence J, Buchanan KD *Arch Dis Child* 50: 120-2, Feb 75 (Eng)
- THE INFLUENCE OF DIET ON RESPONSE TO HEMORRHAGIC SHOCK.** Drucker WR, Howard PL, McCoy S *Ann Surg* 181: 698-704, May 75 (Eng)
- OUTBREAKS OF SERRATIA MARCESCENS INFECTIONS IN A CARDIOTHORACIC SURGICAL INTENSIVE CARE UNIT.** Richards NM, Levitsky S *Ann Thorac Surg* 19: 503-13, May 75 (Eng)
- EFFECTS OF HYPOTENSION ON RHESUS MONKEYS.** Gamache FW Jr, Myers RE *Arch Neurol* 32: 374-80, Jan 75 (Eng)
- [BETA 2 SPECIFICITY OF SALBUTAMOL: METABOLIC EVALUATIONS]** Gemelli M, Barberio G, De Luca F, Franchina A *Boll Soc Ital Biol Sper* 50: 663-6, 30 May 74 (Ita)
- ABNORMAL RED CELL METABOLISM IN PATIENTS WITH CHRONIC UREMIA: NATURE OF THE DEFECT AND ITS PERSISTENCE DESPITE ADEQUATE HEMODIALYSIS.** Yawata Y, Jacob HS *Blood* 45: 231-9, Feb 75 (Eng)
- THERMOCHEMICAL DETERMINATION OF GLUCOSE IN SERUM, PLASMA, AND WHOLE BLOOD WITHOUT PRIOR DEPROTEINIZATION.** McGlothlin CD, Jordan J *Clin Chem* 21: 741-5, May 75 (Eng)
- AN FDA CLINICAL INSTRUMENT RECALL.** Alpert NL *Clin Chem* 21: 782-5, May 75 (Eng)

I.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

THE DIFFERENCE BETWEEN THE GLUCOSE CONCENTRATIONS IN PLASMA AND WHOLE BLOOD. Holtkamp HC, Verhoef NJ, Leijnse B *Clin Chim Acta* 59: 41-9, 22 Feb 75 (Eng)

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Ninomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

[EFFECT OF PERIODIC LOWERING OF THE TEMPERATURE OF THE SURROUNDING MEDIUM ON THE EFFICIENCY OF ADAPTATION OF MUSCLES TO INCREASED ACTIVITY] Kosenkova ZE *Fiziol Zh SSSR* 60: 1403-9, Sep 74 (Rus)

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPHEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetze B, Spaulding H, Summers R, Wood D *J Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

[RESULTS OF CONTROL SURVEY FOR BLOOD GLUCOSE DETERMINATION AND ITS EVALUATION (AUTHORS TRANSL)] Baba S, Kameno E, Mukai M, Tomita J, Tabata K *Jpn J Clin Pathol* 22: 751-5, Nov 74 (Jpn)

[EFFECTS OF NON-GLUCOSE SUGARS ON BLOOD GLUCOSE DETERMINATION] Hayashi T, Yamaguchi H *Jpn J Clin Pathol* 22: 756-60, Nov 74 (Jpn)

[SOME PROBLEMS BEFORE ANALYZING BLOOD GLUCOSE (AUTHORS TRANSL)] Wakabayashi M *Jpn J Clin Pathol* 22: 761-5, Nov 74 (Jpn)

[SELECTION OF THE ANALYTICAL METHODS OF BLOOD GLUCOSE IN INFANTS (AUTHORS TRANSL)] Mizuta W, Fukuda K, Kumada I, Fujimoto T *Jpn J Clin Pathol* 22: 778-80, Nov 74 (Jpn)

[SPECIFICITY AND MECHANISM OF THE GLUCOSE-O-TOLUIDINE REACTION FOR BLOOD GLUCOSE ASSAY (AUTHORS TRANSL)] Sasaki T, Hata K *Jpn J Clin Pathol* 22: 781-2, Nov 74 (Jpn)

[DIURNAL FLUCTUATIONS OF BLOOD LIPIDS AND SUGAR LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH ISCHEMIC HEART DISEASES] Krivoruchenko IV, Ianshukene TS *Kardiologiya* 15: 78-84, Feb 75 (Rus)

[HEREDITARY DEFICIENCY OF ISOMALTASE AND SACCCHARASE RESPONSIBLE FOR A MALABSORPTION SYNDROME (AUTHORS TRANSL)] Nielsen KH, Bruggmann G, Schmidt K *Klin Padiatr* 187: 163-70, Mar 75 (Ger)

[COMPARATIVE DETERMINATION OF BLOOD SUGAR USING DEXTROSTIX AND REFLECTORIC MEASUREMENT] Buhring M, Keller H *Med Welt* 26: 390-2, 28 Feb 75 (Ger)

RHEUMATOID PLEURITIS AND THORACOSCOPY. Faurschou P *Scand J Respir Dis* 55: 277-83, 1974 (Eng)

[RELATIONSHIP BETWEEN THE HEALTH OF HORSES AND FEEDING RATIONS CONSISTING OF PELLETED CONCENTRATIONS ALONE. II. CLINICOHEMICAL EXAMINA-

TION OF THE BLOOD(AUTHORS TRANSL)] Bouwman H, Schotman AJ *Tijdschr Diergeneesk* 100: 138-45, 1 Feb 75 (Dut)

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES IN-SIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

CHANGES IN PLASMA GLUCOSE AND LACTATE CONCENTRATIONS AND ENZYME ACTIVITIES IN THE NEONATAL CALF WITH DIARRHEA. Lewis LD, Phillips RW, Elliott CD *Am J Vet Res* 36: 413-6, Apr 75 (Eng)

[EFFECT OF THE MICROBIAL POLYSACCHARIDE, PROTEINASE, ON CERTAIN CARBOHYDRATES METABOLIC INDICES] Morozova EA, Efimtseva EP, Berman AL *Antibiotiki* 19: 1009-11, Nov 74 (Rus)

[VALUES OF GLUCOSE, POTASSIUM AND IN-ORGANIC PHOSPHATE AS METABOLIC INDICATORS OF MYOCARDIAL ISCHEMIA IN HUMANS] Dagenais GR, Marquis Y, Moisan A *Arch Mal Coeur* 68: 169-77, Feb 75 (Fre)

INDOMETHACIN AND THE ROLE OF PROSTAGLANDINS IN ADIPOSE TISSUE. Fredholm BB, Hedqvist P *Biochem Pharmacol* 24: 61-6, 1 Jan 75 (Eng)

SUBACUTE ADMINISTRATION OF PENTATERYTHRITOL TETRANICOTINATE (PERYCIT) TO MAN. Harthorn L, Svedmyr N *Atherosclerosis* 20: 65-8, Jul-Aug 74 (Eng)

I.E.1.2 BLOOD SUGAR, BIOSYNTHESIS

THE INCORPORATION OF ¹⁴C FROM [1-¹⁴C] PALMITATE INTO GLUCOSE AND GLYCOGEN IN MICE. Pushpendran CK, Eapen J *Can J Biochem* 53: 478-84, Apr 75 (Eng)

I.E.1.3 BLOOD SUGAR, METABOLISM

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)

LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WP, Martin GM *Brain Res* 96: 156-60, 10 Oct 75 (Eng)

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfort P, Michael R, Knosp S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Frey E, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

EFFECTS OF BURN INJURY ON INSULIN SECRETION AND ON SENSITIVITY TO INSULIN IN THE RAT IN VIVO. Frayn KN *Eur J Clin Invest* 5: 331-7, 29 Jul 75 (Eng)

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYL-PREDNISOLONE. Issekutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannis E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerbards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

SERUM GROWTH HORMONE, SERUM IMMUNOREACTIVE INSULIN AND BLOOD GLUCOSE RESPONSE TO ORAL AND INTRAVENOUS DIAZEPAM IN MAN. Syvalahti EK, Kanto JH *Int J Clin Pharmacol Biopharm* 12: 74-82, Jul 75 (Eng)

[SERUM AND PLASMA INSULIN LEVELS IN ZINC-DEFICIENT RATS FOLLOWING GLUCOSE STIMULATION] Roth HP, Kirchgesner M *Int J Vitam Nutr Res* 45: 201-8, 1975 (Ger)

RELATION BETWEEN INSULIN AND GLUCOSE FLUX RATES IN THE DOG. Mitsubishi O, Schucher R, Kalant N *J Lab Clin Med* 86: 683-9, Oct 75 (Eng)

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, MacLay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficarra AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED RATS. Kuroshima A, Doi K, Kurahashi M, Ono T *Jpn J Physiol* 25: 275-85, 1975 (Eng)

NITROGEN LOSS IN NORMAL AND OBESE SUBJECTS DURING TOTAL FAST. Goschke H, Stahl M, Tholen H *Klin Wochenschr* 53: 605-10, 1 Jul 75 (Eng)

PLASMA GLYCOSPHINGOLIPIDS IN DIABETICS AND NORMALS. Kremer GJ, Atzpoden W, Schnellbacher E *Klin Wochenschr* 53: 637-8, 1 Jul 75 (Eng)

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

[GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION, MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS

Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

- [AUTHORS TRANSL.] Bittner R, Beger HG, Kraus E, Roscher R *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)
- [SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)
- ABSENCE OF FACILITATED GLUCOSE DISPOSAL (STAUB-TRAUGOTT EFFECT) IN SUBJECTS WITH HYPOPIUITARISM. Abraitra C, Graham LA, Lawrence AM *Metabolism* 24: 1145-55, Oct 75 (Eng)
- EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)
- REACTIVE HYPOGLYCEMIA. Hofeldt FD *Metabolism* 24: 1193-208, Oct 75 (Eng)
- [DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL.)] Azopardi J, Campbell IW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)
- [COMPARATIVE USE OF GLIQUIDONE AND TOLBUTAMIDE ADMINISTERED INTRAVENOUSLY] Zilker T, Luders L, Bottermann P *Munch Med Wochenschr* 117: 1421-2, 5 Sep 75 (Ger)
- [EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Ziler T, Waldthaler A, Ermler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)
- FUEL HOMEOSTASIS IN EXERCISE. Felig P, Wahren J *N Engl J Med* 293: 1078-84, 20 Nov 75 (Eng)
- DIETARY CARBOHYDRATES AND HYPERLIPEMIC STATES IN MAN. Bierman EL *Nutr Metab* 18 suppl 1: 108-14, 1975 (Eng)
- [SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schroter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)
- [CARBOHYDRATES FOR THE INFLUENCING OF EFFICIENCY IN SPORT MEDICINE] Keul L *Nutr Metab* 18 suppl 1: 157-70, 1975 (Ger)
- [SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehnert H, Dietze G, Haslbeck M *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)
- QUANTITATIVE COMPARISON AND EVALUATION OF UTILIZATION OF PARENTERAL ADMINISTERED CARBOHYDRATES. Heuckenkamp PU, Zollner N *Nutr Metab* 18 suppl 1: 209-26, 1975 (Eng)
- [TURNOVER AND UTILIZATION OF GLUCOSE AND GLUCOSE SUBSTITUTES IN HUMAN AND ANIMALS] Froesch ER *Nutr Metab* 18 suppl 1: 30-44, 1975 (Ger)
- FACTORS INFLUENCING CARBOHYDRATE METABOLISM IN MAN. Hultman E, Nilsson LH *Nutr Metab* 18 suppl 1: 45-64, 1975 (Eng)
- THE INSULIN TEST: NEGATIVE AND POSITIVE TESTS VERSUS NUMERICAL VALUES. Emas S, Borg I *Scand J Gastroenterol* 10: 609-16, 1975 (Eng)
- METABOLIC STUDIES FOLLOWING THORACOTOMY FOR LUNG CANCER WITH PARTICULAR REFERENCE TO POSTOPERATIVE ATRIAL FIBRILLATION. Alstrup P, Sorensen HR *Scand J Thorac Cardiovasc Surg* 9: 149-53, 1975 (Eng)
- THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotze JP, Steinberg D *S Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)
- HYPERGLYCEMIA PRODUCED BY VESPA ORIENTALIS VENOM SAC EXTRACT. Ishay J *Toxicol* 13: 221-6, Aug 75 (Eng)
- GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE IN THERMAL TRAUMA. I. EFFECT OF EXOGENOUS INSULIN. Hessman Y, Thoren L *Acta Chir Scand* 141: 385-92, 1975 (Eng)
- GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE DURING CONTINUOUS INFUSION OF ADRENALIN. II. EFFECT OF EXOGENOUS INSULIN. Hessman Y *Acta Chir Scand* 141: 393-8, 1975 (Eng)
- EFFECTS OF ABDOMINAL SURGERY UNDER GENERAL ANAESTHESIA AND OF POSTOPERATIVE ANALGESIC THERAPY ON SPLANCHNIC EXCHANGE OF SOME BLOOD BORNE ENERGY METABOLITES. Wiklund L, Jorfeldt A *Acta Anaesthesiol Scand [Suppl]* 41-58, 1975 (Eng)
- MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiumello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)
- THE INFLUENCE OF DIABETIC REGULATION ON THE DIURNAL VARIATION IN BLOOD AND THE URINARY EXCRETION OF KETONE BODIES. STUDIES IN NEWLY DIAGNOSED DIABETICS. Wildenhoff KE *Acta Med Scand* 198: 127-33, Jul-Aug 75 (Eng)
- GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Deleon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)
- [INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS] Certhoux J, Grandjean C, Colombo J, Le Deychot C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)
- [THE CALORIGENIC EFFECT OF GLUCAGON] Krimphove M, Opitz K *Arch Int Pharmacodyn Ther* 216: 328-50, Aug 75 (Ger)
- [NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)
- GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhos O, Reshef I, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)
- EPINEPHRINE-INDUCED HYPERGLYCEMIA AND GLYCOGENOLYSIS IN FED AND FASTED NEONATAL SWINE. Stanton HC, Mueller RL *Biol Neonate* 25: 307-19, 1974 (Eng)
- CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrne JJ, White RJ *Comp Biochem Physiol [A]* 50: 709-15, 1 Apr 75 (Eng)
- ASYMMETRY IN HUMAN ERYTHROCYTE SUGAR TRANSPORT. Miller DM *J Biol Chem* 250: 3637-8, 25 May 75 (Eng)
- THE EFFECT OF ACUTE HYPERCALCAEMIA ON GROWTH HORMONE RELEASE IN MAN. Ajlouni K, Hagen TC *J Clin Endocrinol Metab* 40: 780-2, May 75 (Eng)
- TREATMENT OF ACROMEGALY WITH BROMOCRYPTINE. Summers VK, Hipkin LJ, Diver MH, Davis JC *J Clin Endocrinol Metab* 40: 904-6, May 75 (Eng)
- LETTER: FEEDING AND PLASMA NEFA LEVELS IN NEWBORN INFANTS. Anagnostakis D *J Pediatr* 86: 991-2, Jun 75 (Eng)
- QUANTITATIVE VARIATIONS IN THE ABSORPTION OF GLUCOSE DURING DIGESTION OF MAIZE STARCH IN THE PIG. Rerat A, Aumaitre A, Vaugelade P, Vaissade P *Proc Nutr Soc* 33: 102a-103a, Dec 74 (Eng)
- EFFECT OF UNDERNUTRITION ON NITROGEN METABOLISM IN THE PREGNANT EWE. Guada JA, Robinson JJ *Proc Nutr Soc* 33: 84a-85a, Dec 74 (Eng)
- THE ABSORPTION OF GLUCOSE FROM THE GUT AND THE AMOUNT REMOVED BY THE LIVER IN YOUNG PIGS. Anderson DM, Northrop AJ *Proc Nutr Soc* 33: 91a, Dec 74 (Eng)
- DIURNAL HYPONATREMIA DUE TO DIAZOXIDE-PRODUCED POLYDIPSIA. Tang M, Falk JL *Pharmacol Biochem Behav* 3: 115-9, Jan-Feb 75 (Eng)
- CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Hahte D, Persson B, Sterky G *Acta Paediatr Scand* 64: 267-72, Mar 75 (Eng)
- ON THE CAUSES AND EFFECTS OF VARIATIONS IN THE BLOOD PROFILE OF SWEDISH DAIRY CATTLE. Hewett C *Acta Vet Scand [Suppl]* 1-152, 1974 (Eng)
- CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)
- CORRELATION OF LACTASE ACTIVITY, LACTOSE TOLERANCE AND MILK CONSUMPTION IN DIFFERENT AGE GROUPS. Lehenhal E, Antonowicz I, Shwachman H *Am J Clin Nutr* 28: 595-600, Jun 75 (Eng)
- MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PANCREATECTOMIZED DOG. Coleman B, Kallal JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)
- ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL.) Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ *Anaesthesist* 23: 101-4, Mar 74 (Ger)
- BLOOD GLUCOSE IN CRAYFISH—II. VARIATIONS ASSOCIATED WITH MOLTING. Telford M *Comp Biochem Physiol [A]* 47: 461-8, 1 Feb 74 (Eng)
- CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, ONCORHYNCHUS NERKA. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol [A]* 47: 821-8, 1 Mar 74 (Eng)
- EFFECTS OF PROLONGED DIVING ANOXIA ON THE TURTLE, PSEUDHEMYS SCRIPTA ELEGANS. Penney DG *Comp Biochem Physiol [A]* 47: 933-41, 1 Mar 74 (Eng)

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

BLOOD GLUCOSE, TOTAL SERUM CHOLESTEROL AND TOTAL BILIRUBIN LEVELS OF RATS FOLLOWING EXTRANESTINAL MIGRATION OF STRONGYLOIDES VENEZUELENSIS (BRUMPT, 1934). Petricello RP, Hardy SM *Comp Biochem Physiol* [B] 50: 537-40, 15 Apr 75 (Eng)

EFFECTS OF CONTINUOUS INFUSION OF CARDIOTONIC AGENTS ON ARTERIAL CATIONS AND GLUCOSE IN DOGS. Chow SY, Chen SM, Lin IL *Chin J Physiol* 21: 159-72, 31 Dec 73 (Eng)

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSPANCREATOMETRY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangnekar PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL *J Appl Physiol* 38: 236-40, Feb 75 (Eng)

[PLASMA DILUENT USED IN EXTRACORPOREAL CIRCULATION - WITH SPECIAL REFERENCE TO THE CHANGES IN GLUCOSE AND ELECTROLYTE LEVELS] Kikuchi H *J Jpn Assoc Thorac Surg* 22: 1112-6, Nov 74 (Jpn)

CONCENTRATIONS IN VITRO OF VARIOUS ENZYMES IN LIVER HOMOGENATES DURING THE FIRST FEW DAYS OF A PERIOD OF STARVATION. den Otter W *Periodontol* 63: 611-24, ar 754 (Eng)

THE EFFECT OF ATROPINE AND VAGOTOMY ON THE SECRETION OF GASTRIC INTRINSIC FACTOR (IF) IN MAN. Vatn MH, Semb LS, Schrumph E *Scand J Gastroenterol* 10: 59-64, 1975 (Eng)

GLYCEMIC EFFECT OF VENOM FROM THE SCORPION BUTHUS MINAX (L. KOCH). el-Asmar M, Soliman SF, Ismail M, Osman OH *Toxicol* 12: 249-51, May 74 (Eng)

[LACTASE DEFICIENCY] Bossecoert H Z *Gesamte Inn Med* 29: 601-5, 1 Aug 74 (Ger) [23]

METHODS FOR MEASUREMENT OF THE CEREBRAL BLOOD FLOW. Olesen J *Acta Neurol Scand [Suppl]* 50: 1-134, 1974 (Eng) [791]

MUCOID ENTERITIS IN THE RABBIT ASSOCIATED WITH E. COLI. CHANGES IN THE CARBOHYDRATE METABOLISM. Vecsei F, Kutas F *Acta Vet Acad Sci Hung* 24: 303-11, 1974 (Eng)

[EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT] Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

1.E.1.4 BLOOD SUGAR, PHARMACODYNAMICS

1.E.2 GLUCOSE TOLERANCE TEST

IN VITRO LIPOLYTIC EFFECT OF BOVINE PITUITARY DIABETOGENIC PROTEIN. Tutwiler GF *Biochim Biophys Acta* 404: 18-29, 8 Sep 75 (Eng)

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CAR-

BOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA, BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)

METABOLIC STUDIES IN THE PYELONEPHRITIC RAT. Davidson MB *Diabetes* 24: 881-91, Oct 75 (Eng)

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL.)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyte KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)

CARBOHYDRATE DIGESTION AND ABSORPTION IN THE EQUINE SMALL INTESTINE. Roberts MC *J S Afr Vet Assoc* 46: 19-27, Mar 75 (Eng) [25]

EDITORIAL: HYPOGLYCEMIA DURING FASTING. Ricketts HT *JAMA* 234: 186, 13 Oct 75 (Eng)

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)] Grabner W, Matzke F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL.)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

[CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Rus) [112]

THE DESIGN AND EVALUATION OF FIELD TRIALS OF INJECTABLE CONTRACEPTIVES. Rowe PJ *J Steroid Biochem* 6: 921-4, Jun 75 (Eng)

EFFECTS OF ORAL CONTRACEPTIVE AGENTS ON CARBOHYDRATE METABOLISM. Kalkhoff RK *J Steroid Biochem* 6: 949-56, Jun 75 (Eng) [88]

CARBOHYDRATE METABOLISM IN PATIENTS WITH ALCOHOLIC LIVER CIRRHOSIS. Kinalska I, Raimer M *Mater Med Pol* 7: 200-3, Jul-Sep 75 (Eng)

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DOSPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

[DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL.)] Azzopardi J, Campbell IW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)

[COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANS, GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQS DURING THE ORAL GLUCOSE TOLERANCE TEST] Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)

[DISORDERS OF CARBOHYDRATE METABOLISM IN PATIENTS WITH RENAL FAILURE] Rutkowski B, Kicinska M *Pol Tyg Lek* 30: 1587-90, 22 Sep 75 (Pol) [37]

GLUCOSE TOLERANCE AND THE DIABETIC POPULATION. Malins JM *Postgrad Med J* 50 SUPPL 3: 529-37, Aug 74 (Eng)

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION, INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Exp* 138: 321-6, 31 Aug 75 (Spa)

[INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA] Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sanmartin P, Acosta M, Cerdan Vallejo A *Rev Clin Exp* 138: 425-32, 15 Sep 75 (Spa)

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larrodera L, Ramirez A, Florez Tascon M, Schuller A *Rev Clin Exp* 138: 475-9, 15 Sep 75 (Spa)

[INDUCED HYPERGLYCEMIA AND THE CONCLUSIONS RESULTING FROM IT] Teuscher A, Hurni L *Rev Med Suisse Romande* 95: 315-24, May 75 (Fre)

DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

ACUTE EFFECTS OF EXOGENOUS GROWTH HORMONE IN MAN: TIME- AND DOSE-BOUND MODIFICATION OF GLUCOSE TOLERANCE AND GLUCOSE-INDUCED INSULIN RELEASE. Adamson U, Cerasi E *Acta Endocrinol (Kbh)* 80: 247-61, Oct 75 (Eng)

STUDIES IN ASYMPTOMATIC PRIMARY HYPERLIPIDAEMIA. IV. ECG AT REST AND DURING EXERCISE AND ITS RELATION TO VARIOUS LIPOPROTEIN CLASSES. Olsson AG, Ekelund LG, Carlson LA *Acta Med Scand* 198: 55-73, Jul-Aug 75 (Eng)

AGING AND THE DISPOSITION OF GLUCOSE. Andres R, Tobin JD *Adv Exp Med Biol* 61: 239-49, 1975 (Eng)

[INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS] Certhoux J, Grandjean C, Colombo J, Le Devehat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)

FAILURE OF LABORATORY AND RADIOLOGICAL STUDIES TO PREDICT JEJUNAL MUCOSAL ATROPHY. Sanderson MC, Davis LR, Mowat AP *Arch Dis Child* 50: 526-31, Jul 75 (Eng)

CARDIOMYOPATHY—THE FREQUENTLY FORGOTTEN MIMIC: CLINICAL AND OPEN-CHEST MYOCARDIAL BIOPSY STUDIES. Fitzgibbon GM *Aviat Space Environ Med* 46: 1248-50, Oct 75 (Eng)

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HYPERGLYCEMIA PRODUCED BY VESPA ORIENTALIS VENOM SAC EXTRACT. Ishay J *Toxicol* 13: 221-6, Aug 75 (Eng)

METABOLIC COMPLICATIONS IN THE USE OF DIURETICS. van Ypersele de Strihou C *Adv Nephrol* 2: 241-50, 1972 (Eng)

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATICTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

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[CONGENITAL HYPERGLYCEMIA WITHOUT KETOSIS] Piusan C, Saudubray JM, Audbert M, Van Poperinghe M, Rishourg B *Pediatr* 30: 429-31, Jun 75 (Fre)

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OSMOLAR CONTROL OF THE CIRCULATION IN HEMORRHAGIC HYPOTENSION. AN EXPERIMENTAL STUDY IN THE CAT. Jarhult J *Acta Physiol Scand [Suppl]* 1-84, 1975 (Eng)

LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)

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[DISORDERS OF CARBOHYDRATE METABOLISM IN PATIENTS WITH RENAL FAILURE] Rutkowski B, Kicinska M *Pol Tyg Lek* 30: 1587-90, 22 Sep 75 (Pol) [37]

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[MELITURIA] Todorovic M *Med Pregl* 28: 163-9, 1975 (Ser)

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QUANTITATIVE COMPARISON AND EVALUATION OF UTILIZATION OF PARENTERAL ADMINISTERED CARBOHYDRATES. Heuckenkamp PU, Zollner N *Nutr Metab* 18 suppl 1: 209-26, 1975 (Eng)

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STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

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EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN. Hamet P, Lowder SC, Hardman JG, Liddle GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

[LETTER: HYPOGLYCEMIA AND PERHEXILINE] Feldman G *Nouv Presse Med* 3: 2580, 30 Nov-14 Dec 74 (Fre)

1.E.6.3 HYPOGLYCEMIA, COMPLICATIONS

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

[THE CLINICAL PICTURE AND PATHOGENESIS OF HYPOGLYCEMIC HYPERSOMNOLENT STATES WITH PRESENTATION OF A SPECIAL CASE] Taneva I, Mishev P, Mitkov V *Khirurgia (Sofia)* 27: 429-30, 1974 (Bul)

[AMBULATORY MANAGEMENT OF THE DIABETIC CHILD (AUTHORS TRANSL)] Hurter P *Monatsschr Kinderheilk* 123: 711-7, Oct 75 (Ger)

1.E.6.4 HYPOGLYCEMIA, DIAGNOSIS

EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Tausch HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng)

[SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

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[AMBULATORY MANAGEMENT OF THE DIABETIC CHILD (AUTHORS TRANSL)] Hurter P *Monatsschr Kinderheilk* 123: 711-7, Oct 75 (Ger)

[NEONATAL HYPOGLYCEMIA. A REVIEW ON PATHOPHYSIOLOGY, CLINICAL ASPECTS AND TREATMENT (AUTHORS TRANSL)] Bossi E *Praxis* 64: 1214-9, 23 Sep 75 (Ger)

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MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN. Gefel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr *Diabetes* 24: 910-4, Oct 75 (Eng)

[CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Rus) [112]

REACTIVE HYPOGLYCEMIA. Hofeldt FD *Metabolism* 24: 1193-208, Oct 75 (Eng)

INSULIN AND THE KIDNEY. Rubenstein AH, Mako ME, Horwitz DL *Nephron* 15: 306-26, 1975 (Eng) [147]

[DEVELOPMENT OF HEMOCHROMATOSES] Bercovici JP, Leuzinger D *Nouv Presse Med* 4: 2257-8, 27 Sep 75 (Fre)

DIAGNOSIS AND TREATMENT OF PANCREATIC BETA-CELL TUMOR. Skjoldborg H, Olsen TS, Lundbaek K, Madsen B *Surg Annu* 7: 219-39, 1975 (Eng) [43]

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS ISLET CELL HYPERPLASIA. RECOVERY AFTER PANCREATCTOMY] Babine JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

I.E.6.7 HYPOGLYCEMIA, METABOLISM

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

ACUTE RENAL FAILURE: AN IMPORTANT COMPLICATION OF CARDIAC SURGERY IN INFANTS. Chesney RW, Kaplan BS, Freedom RM, Haller JA, Drummond KN *J Pediatr* 87: 381-8, Sep 75 (Eng)

HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltesz G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)

[SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN. Hamet P, Lowder SC, Hardman JG, Little GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Deleon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)

I.E.6.8 HYPOGLYCEMIA, PHYSIOPATHOLOGY

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

PROCEEDINGS: CUTANEOUS MICROCIRCULATION AND INSULIN SHOCK. Asano M, Okubo C, Ogawa S, Miwa R *J Physiol Soc Jpn* 36: 382, 1 Sep 74 (Eng)

[NEONATAL HYPOGLYCEMIA. A REVIEW ON PATHOPHYSIOLOGY, CLINICAL ASPECTS AND TREATMENT (AUTHORS TRANSL.)] Bossi E *Praxis* 64: 1214-9, 23 Sep 75 (Ger)

PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)

I.E.6.9 HYPOGLYCEMIA, THERAPY

[NEONATAL HYPOGLYCEMIA. A REVIEW ON PATHOPHYSIOLOGY, CLINICAL ASPECTS AND TREATMENT (AUTHORS TRANSL.)] Bossi E *Praxis* 64: 1214-9, 23 Sep 75 (Ger)

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I.F.2 DIABETES MELLITUS

[NEW RESULTS IN DIABETES RESEARCH] Schweisheimer W *Med Lab (Stuttg)* 28: 132-4, Jun 75 (Ger)

[SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schroter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)

THE DENTAL MANAGEMENT OF PATIENTS WITH MEDICAL PROBLEMS. Cohen L *NY State Dent J* 41: 470-5, Oct 75 (Eng)

[ACTION OF PHENYTOIN ON GLYCOREGULATION] Hazard J, Perlemuter L *Nouv Presse Med* 4: 2263-5, 27 Sep 75 (Fre)

[LEUCOCYTOSIS IN ACUTE DIABETIC ABDOMEN] Quercel Prieto R *Rev Clin Esp* 138: 275-7, 15 Aug 75 (Spa)

DIABETES. A TWENTY YEAR MORTALITY STUDY. Goodkin G *Trans Assoc Life Ins Med Dir Am* 58: 217-71, 1975 (Eng)

I.F.2.1 DIABETES MELLITUS, JUVENILE

[THE CHRONICALLY ILL AND DISABLED CHILD: A PSYCHOLOGIC TASK OF PAEDIATRICS. PART II: SPECIAL PROBLEMS OF VARIOUS DISEASES (AUTHORS TRANSL.)] Borner S, Steinhäusen HC *Klin Paediatr* 187: 413-23, Sep 75 (Ger)

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ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 1359-5, 13 Oct 75 (Eng)

[RELATION BETWEEN ATHEROSCLEROSIS AND DIABETES MELLITUS] Shustval NF *Klin Med (Mosk)* 52: 81-8, Mar 74 (Rus)

GLUCORECEPTORS, INSULIN RELEASE, AND DIABETES. Anonymous *Lancet* 2: 646-7, 4 Oct 75 (Eng)

LETTER: IMPAIRED GLYCEROL CLEARANCE IN OBESITY. Wade AJ *Lancet* 2: 708, 11 Oct 75 (Eng)

REVERSIBLE ABNORMALITIES IN POSTHEPARIN LIPOLYTIC ACTIVITY DURING THE LATE PHASE OF RELEASE IN DIABETES MELLITUS (POSTHEPARIN LIPOLYTIC ACTIVITY IN DIABETES). Brunzell JD, Porte D Jr, Bierman EL *Metabolism* 24: 1123-37, Oct 75 (Eng)

[ORAL ADMINISTRATION OF AN ACIDIFEROUS DRUG AND ITS EFFECT ON CARBOHYDRATE METABOLISM OF MATUR-ONSET-DIABETICS TREATED BY ORAL HYPOGLYCAEMIC AGENTS] Klein W *Med Klin* 70: 1432-6, 5 Sep 75 (Ger)

FUEL HOMEOSTASIS IN EXERCISE. Felig P, Wahren J *N Engl J Med* 293: 1078-84, 20 Nov 75 (Eng)

[SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehner H, Dietze G, Haselbeck M *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)

[TURNOVER AND UTILIZATION OF GLUCOSE AND GLUCOSE SUBSTITUTES IN HUMAN AND ANIMALS] Froesch ER *Nutr Metab* 18 suppl 1: 30-44, 1975 (Ger)

FACTORS INFLUENCING CARBOHYDRATE METABOLISM IN MAN. Hultman E, Nilsson LH *Nutr Metab* 18 suppl 1: 45-64, 1975 (Eng)

[LETTER: PRACTICAL IMPORTANCE OF SORBITOL IN DIABETOLOGY] Heraud G, Roux E, Stach JL *Nouv Presse Med* 4: 2113 (2), 13 Sep 75 (Fre)

[ROLE OF CARBOHYDRATE IN THE LIGHT OF THEIR METABOLISM] Miler-Sosnkowska M *Postepy Hig Med Dosw* 29: 537-55, Jul-Aug 75 (Pol)

[THE FUNDAMENTALS OF THE PHARMACOLOGY OF ANTIDIABETIC SUBSTANCES] Losert W *Pharmazie* 30: 422-33, Jul 75 (Ger) [184]

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irusta O, Foglia VG *Rev Soc Argent Biol* 48-49: 48-60, Apr 72-Nov 73 (Spa)

Diabetes Literature—Hierarchical Index

1.F DIABETES

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)

THE RENIN-ANGIOTENSIN SYSTEM IN DIABETES MELLITUS. Hauger-Klevene JH, Barontini de Moyano MB *Acta Physiol Lat Am* 24: 419-24, 1974 (Eng)

THE INFLUENCE OF DIABETIC REGULATION ON THE DIURNAL VARIATION IN BLOOD AND THE URINARY EXCRETION OF KETONE BODIES. STUDIES IN NEWLY DIAGNOSED DIABETICS. Wildenhoff KE *Acta Med Scand* 198: 127-33, Jul-Aug 75 (Eng)

AGING AND THE DISPOSITION OF GLUCOSE. Andres R, Tobin JD *Adv Exp Med Biol* 61: 239-49, 1975 (Eng)

CHOLECYSTOKININ METABOLISM IN MAN AND DOGS. Thompson JC, Fender HR, Ramus NI, Villar HV, Rayford PL *Ann Surg* 182: 496-504, Oct 75 (Eng)

GLYCOGEN SYNTHESIS IN THE PERFUSED LIVER OF STREPTOZOTOCIN-DIABETIC RATS. Whitton PD, Hems DA *Biochem J* 150: 153-65, Aug 75 (Eng)

1.F.3.2 DIABETES, ENZYMOLOGY

[THE ACTIVITY OF KEY PENTOSEPHOSPHATE CYCLE ENZYMES IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Karabun PM *Fiziol Zh* 20: 394-8, May-Jun 74 (Ukr)

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS. Belfiore F, Rabuazzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS. Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMATIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

REVERSIBLE ABNORMALITIES IN POSTHEPARIN LIPOLYTIC ACTIVITY DURING THE LATE PHASE OF RELEASE IN DIABETES MELLITUS (POSTHEPARIN LIPOLYTIC ACTIVITY IN DIABETES). Brunzell JD, Porte D Jr, Bierman EL *Metabolism* 24: 1123-8, Oct 75 (Eng)

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-COA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroeff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

1.F.3.3 DIABETES, BLOOD

SURVEY OF DIETARY POLICY AND MANAGEMENT IN BRITISH DIABETIC CLINICS. Truswell AS, Thomas BJ, Brown AM *Br Med J* 4: 7-11, 4 Oct 75 (Eng)

PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissmann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

[EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)

STRUCTURE AND BIOLOGICAL FUNCTIONS OF HUMAN IGD. V. INSULIN ANTIBODIES OF THE IGD CLASS IN SERA FROM SOME DIABETIC PATIENTS. Lertora JJ, Gomez-Perez FJ, Leslie GA *Int Arch Allergy Appl Immunol* 49: 597-606, 1975 (Eng)

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETIC AND NONDIABETICS. Ficarra AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

PLASMA GLYCOSPHINGOLIPIDS IN DIABETICS AND NORMALS. Kremer GJ, Atzpodien W, Schnellbacher E *Klin Wochenschr* 53: 637-8, 1 Jul 75 (Eng)

[GRANULOCYTE DYSFUNCTION. PART II. SECONDARY DEFECTS. (AUTHORS TRANSL.)] Niehammer D, Wildfeuer A, Kleihauer E, Haferkamp O *Klin Wochenschr* 53: 739-46, 15 Aug 75 (Ger)

[GLYCOGEN CONTENT OF THE LEUKOCYTES IN PATIENTS WITH DIABETES MELLITUS] Pavlov BA, Sokolova II *Klin Med (Mosk)* 52: 88-93, Mar 74 (Rus)

EVIDENCE FOR DIABETES MELLITUS AND GENETIC FORMS OF HYPERTRIGLYCERIDEMIA AS INDEPENDENT ENTITIES. Brunzell JD, Hazzard WR, Motulsky AG, Bierman EL *Metabolism* 24: 1115-21, Oct 75 (Eng)

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geithovell W, Niedergesker U, Morgner KD, Wilms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

[CHANGES IN PLASMA LIPIDS IN DIABETES MELLITUS] Avogaro P, Capri C, Cazzolato G, Pais M *Minerva Med* 66: 3388-96, 3 Oct 75 (Ita)

[LEUCOCYTOSIS IN ACUTE DIABETIC ABDOMEN] Querol Prieto R *Rev Clin Esp* 138: 275-7, 15 Aug 75 (Spa)

THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotze JP, Steinberg D *S Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)

[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)

[THE EFFECT OF BIGUANIDE PREPARATIONS ON LIPID METABOLISM] Pavlov K *Vutr Boles* 13: 115-8, 1974 (Bul)

ON FIBRINOLYSIS IN DIABETES MELLITUS. Almer LO, Nilsson IM *Acta Med Scand* 198: 101-6, Jul-Aug 75 (Eng)

LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand

CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

1.F.3.4 DIABETES, URINE

DEMONSTRATION OF C-PEPTIDE IMMUNOREACTIVITY IN VARIOUS BODY FLUIDS AND CLINICAL EVALUATION OF THE DETERMINATION OF URINARY C-PEPTIDE IMMUNOREACTIVITY. Kaneko T, Muncunura M, Oka H, Oda T, Suzuki S *Endocrinol Jpn* 22: 207-12, Jun 75 (Jap)

[DETERMINATION OF GLUCOSE IN URINE. COMPARISON BETWEEN TESTAPE, CLINTEST, FERMENTATION SACCHAROMETER AND AUTOANALYZER] Kragh PL, Madsen HG *Ugeskr Laeger* 137: 2308-12, 29 Sep 75 (Dan)

LIPIDATROPY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYS-TROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

1.F.4 DIABETES, PHYSIOPATHOLOGY

LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WP, Martin GM *Brain Res* 96: 156-60, 10 Oct 75 (Eng)

MICROVASCULAR PERMEABILITY TO PLASMA PROTEINS IN HYPERTENSION AND DIABETES MELLITUS IN MAN—ON THE PATHOGENESIS OF HYPERTENSIVE AND DIABETIC MICROANGIOPATHY. Parving HH *Dan Med Bull* 22: 217-33, Sep 75 (Eng)

APPARENT ACCELERATED AGING OF HUMAN COLLAGEN IN DIABETES MELLITUS. Hamlin CR, Kohn RR, Luschn JH *Diabetes* 24: 902-4, Oct 75 (Eng)

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geithovell W, Niedergesker U, Morgner KD, Wilms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

[GASTROINTESTINAL COMPLICATIONS OF DIABETES MELLITUS] Forgacs S *Med Klin* 70: 1424-31, 5 Sep 75 (Ger)

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Diabetes Literature—Hierarchical Index

1.F DIABETES

PHYSIOLOGIC OPTIC APPROACH OF LENS AND CATARACT. Planten JT *Ophthalmologica* 171: 249-53, 1975 (Eng)

SEXUALITY IN LATER LIFE. Yeaworth RC, Friedman JS *Nurs Clin North Am* 10: 563-86, Sep 75 (Eng)

[EDITORIAL: ADVANCED DIABETES AND THE AUTONOMIC NERVOUS SYSTEM] Juul Christensen N, Gundersen HJ *Ugeskr Laeger* 137: 2207-8, 15 Sep 75 (Dan)

1.F.5 DIABETES, IMMUNOLOGY

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 71-5, May 74 (Eng)

STRUCTURE AND BIOLOGICAL FUNCTIONS OF HUMAN IGD. V. INSULIN ANTIBODIES OF THE IGD CLASS IN SERA FROM SOME DIABETIC PATIENTS. Lertora JJ, Gomez-Perez FJ, Leslie GA *Int Arch Allergy Appl Immunol* 49: 597-606, 1975 (Eng)

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Batchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

LETTER: AETIOLOGY OF JUVENILE DIABETES. Rolles CJ, Rayner PH, Mackintosh P *Lancet* 2: 230, 2 Aug 75 (Eng)

VULNERABILITY OF CELL-SURFACE RECEPTORS TO AUTOIMMUNE REACTIONS. Carnegie PR, Mackay IR *Lancet* 2: 684-7, 11 Oct 75 (Eng)

[DIABETES MELLITUS AND ADDISON'S DISEASE] Boda Z, Orosz L, Misz M, Szabo G, Gergely P, Kulcsar A *Orv Hetil* 116: 2249-50, 21 Sep 75 (Hun)

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)

THE MESANGIUM IN GLOMERULAR DISEASE. Tighe JR *Proc R Soc Med* 68: 151-8, Mar 75 (Eng)

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

1.F.6 DIABETES COMPLICATIONS AND PATHOLOGY

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LETTER: CEREBRAL OEDEMA IN DIABETIC KETOACIDOSIS. Frier BM *Br Med J* 3: 704, 20 Sep 75 (Eng)

[PHENFORMIN, KIDNEY INSUFFICIENCY AND LACTIC ACIDOSIS] Marowski B *Ther Ggw* 113: 1706-26, Oct 74 (Ger)

ACID-BASE AND METABOLIC DISTURBANCES IN FULMINANT HEPATIC FAILURE. Record CO, Iles RA, Cohen RD, Williams R *Gut* 16: 144-9, Feb 75 (Eng)

METABOLISM OF BLOOD GLUCOSE BY THE INTACT FUNCTIONING KIDNEY OF THE DOG. Pitts RF, MacLeod MB *Kidney Int* 7: 130-6, Mar 75 (Eng)

1.F.6.1.2 DIABETIC COMA

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[DIABETES MELLITUS AND HYPONATREMIA] Iwamoto Y *Jpn J Clin Med* 33: 2075-80, Jun 75 (Jpn)

1.F.6.2 DIABETIC ANGIOPATHIES

MICROVASCULAR PERMEABILITY TO PLASMA PROTEINS IN HYPERTENSION AND DIABETES MELLITUS IN MAN—ON THE PATHOGENESIS OF HYPERTENSIVE AND DIABETIC MICROANGIOPATHY. Parving HH *Dan Med Bull* 22: 217-33, Sep 75 (Eng)

GLYCOSAMINOGLYCANS AND HYDROXYPROLINE OF RABBIT LENS IN THE COURSE OF ARTIFICIAL ATHEROSCLEROSIS AND ALLOXAN DIABETES. Hanzlik J, Tomaszewski J *Folia Biol (Krakow)* 23: 293-8, 1975 (Eng)

DETERIORATION OF THE MICROCIRCULATION IN DIABETES. McMillan DE *Diabetes* 24: 944-57, Oct 75 (Eng) [168]

A PROGRESS REPORT ON THE UNIVERSITY GROUP DIABETES PROGRAM. Prout TE *Int J Clin Pharmacol Biopharm* 12: 244-51, Jul 75 (Eng)

[ARTERITIS IN AGED PATIENTS] Cormier JM, Firouzabadi H, Gigou F *J Chir (Paris)* 109: 575-90, May-Jun 75 (Fre)

EDITORIAL: PLATELET AGGREGATION. Vaisrub S *JAMA* 234: 417, 27 Oct 75 (Eng)

[RELATION BETWEEN ATHEROSCLEROSIS AND DIABETES MELLITUS] Shustval NF *Klin Med (Mosk)* 52: 81-8, Mar 74 (Rus)

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geithovell W, Niedergerke U, Morgner KD, Wills B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

[NEW RESULTS IN DIABETES RESEARCH] Schweisheimer W *Med Lab (Stuttg)* 28: 132-4, Jun 75 (Ger)

[LETTER: CUTANEOUS MICROANGIOPATHY, A SIGN OF DEVELOPMENT OF DIABETES] Romani JD *Nouv Presse Med* 4: 2037, 30 Aug 75 (Fre)

[LETTER: CUTANEOUS MICROANGIOPATHY OF DIABETES FOLLOWING HEMOCHROMATOSIS] Romani JD *Nouv Presse Med* 4: 2116 (1), 13 Sep 75 (Fre)

[ROLE OF CARBOHYDRATE IN THE LIGHT OF THEIR METABOLISM] Miler-Soskowska M *Postepy Hig Med Dosw* 29: 537-55, Jul-Aug 75 (Pol)

[INCIDENCE OF HYPERURICEMIA AND GOUT IN CORONARY INSUFFICIENCY FROM ANGINA PECTORIS TO MYOCARDIAL INFARCT] May V, Robert H *Rev Rhum Mal Osteoartic* 42: 467-70, Jul-Sep 75 (Fre)

A YEARS EXPERIENCE IN A CLINIC FOR OBESE DIABETICS. Jackson WP, Movsowitz F, Goldblatt R S *Afr Med J* 49: 1598-600, 13 Sep 75 (Eng)

AMPUTATIONS IN THE LOWER LIMB. Warren R *Surg Annu* 7: 331-46, 1975 (Eng) [8]

CHRONICALLY IMPAIRED AUTOREGULATION OF CEREBRAL BLOOD FLOW IN LONG-TERM DIABETICS. Bentzen N, Larsen B, Lassen NA *Stroke* 6: 497-502, Sep-Oct 75 (Eng)

ON FIBRINOLYSIS IN DIABETES MELLITUS. Almer LO, Nilsson IM *Acta Med Scand* 198: 101-6, Jul-Aug 75 (Eng)

LUMBAR SYMPATHECTOMY IN THE TREATMENT OF PERIPHERAL VASCULAR OCCLUSIVE DISEASE. TEN YEAR STUDY. Bernardi RS, Sirospour D *Am J Surg* 130: 309-14, Sep 75 (Eng)

MANAGEMENT OF AMPUTATION-STUMP BREAKDOWN. Kerstein MD *Am Surg* 41: 581-3, Sep 75 (Eng)

COMPARISON OF LONG-TERM RESULTS OF 364 FEMOROPLOPITAL OR FEMOROTIBIAL BYPASSES FOR REVASCULARIZATION OF SEVERELY ISCHEMIC LOWER EXTREMITIES. Reichle FA, Tyson RR *Ann Surg* 182: 449-55, Oct 75 (Eng)

[MORPHOLOGICAL AND HISTOCHEMICAL RESEARCH OF THE RABBIT AORTA WITH EXPERIMENTAL CHOLESTEROL ATHEROMASIA AND ALLOXAN DIABETES (AUTHORS TRANSL.)] Stepien A, Hanzlik J, Lopatynski J, Wolanski I *Ann Univ Mariae Curie Skłodowska [Med]* 29: 157-67, 1974 (Pol)

CARDIOMYOPATHY—THE FREQUENTLY FORGOTTEN MIMIC: CLINICAL AND OPEN-CHEST MYOCARDIAL BIOPSY STUDIES. Fitzgibbon GM *Aviat Space Environ Med* 46: 1248-50, Oct 75 (Eng)

LIPOPROTEIN-ACID MUCOPOLYSACCHARIDE COMPLEXES OF HUMAN ATHEROSCLEROTIC LESIONS. Srinivasan SR, Radhakrishnamurthy B, Pargaonkar PS, Bercenson GS, Dolan P *Biochim Biophys Acta* 388: 58-70, 18 Apr 75 (Eng)

FAILURE OF FREE FATTY ACIDS TO INFLUENCE DEGREE OF MYOCARDIAL INJURY FOLLOWING ACUTE CORONARY ARTERY OCCLUSION IN PIGS. Most AS, Capone RJ, Szydlak P, Bruno CA, DeVona TS *Cardiology* 59: 201-12, 1974 (Eng)

CHILDHOOD AND DIET AS RELATED TO ATHEROSCLEROSIS. CAN THE PEDIATRICIAN HELP PROTECT AGAINST ADULT CORONARY ARTERY DISEASE? Laird WP *Clin Pediatr (Phila)* 14: 485-6, 491-4, May 75 (Eng)

EFFECT OF DIETARY PROTEIN AND CHOLESTEROL ON ATHEROSCLEROSIS IN SWINE. Gupta PP, Tandon HD, Ramalingaswami V *Exp Mol Pathol* 22: 305-16, Jun 75 (Eng)

ALCOHOLIC HYPERLIPIDEMIA. Stahelin HB, Nissen C, Sommer P, Widmer LK *Int J Vitam Nutr Res* 44: 507-20, 1974 (Eng)

EARLY EVENTS IN ATHEROGENESIS. Gresham GA *Lancet* 1: 614-5, 15 Mar 75 (Eng)

1.F DIABETES

- LETTER: BRAN AND BLOOD-LIPIDS.** Cleave TL *Lancet* 1: 857, 12 Apr 75 (Eng)
- ULTRASTRUCTURE OF CELLS ISOLATED ENZYMATICALLY FROM THE AORTA OF RABBITS WITH EXPERIMENTAL ATHEROSCLEROSIS.** Rosnowski A, Hinec A *Pol Med Sci Hist Bull* 15: 387-98, Sep-Oct 74 (Eng)
- [COURSE OF CORONARY DISEASE. EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY]** Kugler G, Johannes E, Rodiger W, Westermann KW *Z Kardiol* 64: 245-54, Mar 75 (Ger)
- [PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS]** Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)
- RELATIONSHIP OF RAISED ATHEROSCLEROTIC LESIONS TO FATTY STREAKS IN 19 LOCATION-RACE GROUPS.** Tracy RE, Toca V *Atherosclerosis* 21: 21-36, Jan-Feb 75 (Eng)
- RABBIT AORTIC HISTAMINE SYNTHESIS FOLLOWING SHORT-TERM CHOLESTEROL FEEDING.** Hollis TM, Sloss RJ *Atherosclerosis* 21: 125-34, Mar-Apr 75 (Eng)
- ATHEROSCLEROSIS IN FAMILIAL LINES OF PIGEONS FED EXOGENOUS CHOLESTEROL.** Patton NM, Brown RV, Middleton CC *Atherosclerosis* 21: 147-54, Mar-Apr 75 (Eng)
- ELEVATION OF ARTERIAL PHOSPHOFRUCTOKINASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS.** Zemplynyl T, Rosenstein AJ *Atherosclerosis* 21: 167-77, Mar-Apr 75 (Eng)
- [THERAPY OF CORONARY HEART DISEASE USING CORNELIAN-DIGOTAB. RESULTS OF A DOUBLE BLIND STUDY]** Messerich J *Fortschr Med* 92: 1367-71, 21 Nov 74 (Ger)
- [DIURNAL FLUCTUATIONS OF BLOOD LIPIDS AND SUGAR LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH ISCHEMIC HEART DISEASES]** Krivoruchenko IV, Ianushkenc TS *Kardiologia* 15: 78-84, Feb 75 (Rus)
- [VALUES OF GLUCOSE, POTASSIUM AND INORGANIC PHOSPHATE AS METABOLIC INDICATORS OF MYOCARDIAL ISCHEMIA IN HUMANS]** Dagenais GR, Marquis Y, Moisan A *Arch Mal Coeur* 68: 169-77, Feb 75 (Fre)
- 1.F.6.3 DIABETIC NEPHROPATHIES**
- DETERIORATION OF THE MICROCIRCULATION IN DIABETES.** McMillan DE *Diabetes* 24: 944-57, Oct 75 (Eng) [168]
- [A STUDY OF RENAL FUNCTION USING RADIOISOTOPIC METHODS IN PATIENTS WITH DIABETIC NEPHROPATHY]** Astrug A, Sheiretova E, Ketskarova S, Todorova L *Vutr Bules* 13: 86-92, 1974 (Bul)
- 1.F.6.4 DIABETIC NEUROPATHIES**
- DETERIORATION OF THE MICROCIRCULATION IN DIABETES.** McMillan DE *Diabetes* 24: 944-57, Oct 75 (Eng) [168]
- [GASTROINTESTINAL COMPLICATIONS OF DIABETES MELLITUS]** Forgacs S *Med Klin* 70: 1424-31, 5 Sep 75 (Ger)
- [IMMUNOGLOBULIN G LEVEL IN THE SERUM OF PATIENTS WITH POLYNEUROPATHIES]** Strelau K *Neurol Neurochir Pol* 9: 447-51, Jul-Aug 75 (Pol)
- [COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT: VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES: H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA]** Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Esp* 138: 445-52, 15 Sep 75 (Spa)
- 1.F.6.5 DIABETIC RETINOPATHY**
- PRECAUTIONS IN PHOTOCOAGULATING PROLIFERATIVE DIABETIC RETINOPATHY.** Siam AL *Bull Ophthalmol Soc Egypt* 67: 113-18, 1974 (Eng)
- RETINAL CAPILLARY JUNCTIONS: ULTRASTRUCTURAL TIGHT JUNCTION ARTEFACTS INDUCED BY SODIUM IONS AND MEMBRANE REDUCTION IN STREPTOZOTOCIN DIABETES.** Sosula L *Cell Tissue Res* 161: 393-411, 25 Aug 75 (Eng)
- DETERIORATION OF THE MICROCIRCULATION IN DIABETES.** McMillan DE *Diabetes* 24: 944-57, Oct 75 (Eng) [168]
- [VENOUS ARCHING IN DIABETIC RETINOPATHY (AUTHORS TRANSL.)]** Stieber W *Klin Monatsbl Augenheilkd* 166: 694, May 75 (Ger)
- [TREATMENT OF VASCULAR AND HEMORRHAGIC DIABETIC RETINOPATHIES BY MEANS OF ARGON LASERS]** Gallet M *Maroc Med* 55: 300-1, Jan 75 (Fre)
- TREATMENT OF DIABETIC RETINOPATHY WITH PHOTOCOAGULATION AT ADVANCED AGE.** Riaskoff S *Ophthalmologica* 171: 309-11, 1975 (Eng)
- SERUM GLYCOPROTEIN LEVEL AS A POSSIBLE EARLY SCREENING FOR THE DEVELOPMENT OF DIABETIC RETINOPATHY.** Denswil EH, Huitink MA, Junge J *Ophthalmologica* 171: 316-7, 1975 (Eng)
- VARIATION OF ENERGY DENSITY IN ARGON LASER PHOTOCOAGULATION.** Pomcrantzef O, Schepens CL *Arch Ophthalmol* 93: 1033-5, Oct 75 (Eng)
- 1.F.6.6 OTHER COMPLICATIONS OF DIABETES**
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- LETTER: AETIOLOGY OF OPTIC NEURITIS.** Anonymous *Br Med J* 3: 703-4, 20 Sep 75 (Eng)
- HYPOLIPIDEMIC ACTIVITY OF COLESTIPOL IN DIABETES.** Bandiside MS, Boshell BR *Curr Ther Res* 18: 276-84, Aug 75 (Eng)
- [LETTER: TERRAIN FACTORS AND DERMATOMYCOSES]** Gotz H *Hautarzt* 26: 341, Jun 75 (Ger)
- DIABETES MELLITUS (A PSYCHOSOMATIC STUDY OF 147 CASES).** Bagadia VN, Havaldar PP, Gada MT, Pradhan PV, Shah LP, Dhirawani MK *J Postgrad Med* 21: 17-29, Jan 75 (Eng)
- [DIABETES MELLITUS AND HYPONATREMIA]** Iwamoto Y *Jpn J Clin Med* 33: 2075-80, Jun 75 (Jpn)
- PLASMA GLYCOSPHINGOLIPIDS IN DIABETICS AND NORMALS.** Kremer GJ, Atzpodien W, Schnellbacher E *Klin Wochenschr* 53: 637-8, 1 Jul 75 (Eng)
- [RELATION BETWEEN ATHEROSCLEROSIS AND DIABETES MELLITUS]** Shustval NF *Klin Med (Mosk)* 52: 81-8, Mar 74 (Rus)
- EVIDENCE FOR DIABETES MELLITUS AND GENETIC FORMS OF HYPERTRIGLYCERIDEMIA AS INDEPENDENT ENTITIES.** Brunzell JD, Hazzard WR, Motulsky AG, Bierman EL *Metabolism* 24: 1115-21, Oct 75 (Eng)
- REVERSIBLE ABNORMALITIES IN POSTHEPARIN LIPOLYTIC ACTIVITY DURING THE LATE PHASE OF RELEASE IN DIABETES MELLITUS (POSTHEPARIN LIPOLYTIC ACTIVITY IN DIABETES).** Brunzell JD, Porte D Jr, Bierman EL *Metabolism* 24: 1123-37, Oct 75 (Eng)
- [FREQUENCY AND DISTRIBUTION OF TYPES OF HYPERLIPOPROTEINEMIA WITH LIFE-SHORTENING RISK FACTORS AMONG AMBULANT PATIENTS (AUTHORS TRANSL.)]** Mertz DP, Hohnack A *Med Klin* 70: 1209-13, 11 Jul 75 (Ger)
- [ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS]** Geishovell W, Niedergerke U, Morgner KD, Willms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)
- [GASTROINTESTINAL COMPLICATIONS OF DIABETES MELLITUS]** Forgacs S *Med Klin* 70: 1424-31, 5 Sep 75 (Ger)
- [JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL.)]** Azubike JC, Gullotta F, Kallfelz HC, Gellissen K, Mende S, Exss R *Neuropadiatrie* 6: 292-306, Aug 75 (Ger)
- PHYSIOLOGIC OPTIC APPROACH OF LENS AND CATARACT.** Platten JT *Ophthalmologica* 171: 249-53, 1975 (Eng)
- [DIABETES MELLITUS AND ADDISON'S DISEASE]** Boda Z, Orosz L, Misz M, Szabo G, Gergely P, Kulcsar A *Orv Hetil* 116: 2249-50, 21 Sep 75 (Hun)
- THE PATHOLOGY OF INFERTILITY.** Craig JM *Pathol Annu* 10: 299-328, 1975 (Eng) [72]
- MEDICAL ASPECTS OF REHABILITATION.** Millard JB *Physiotherapy* 60: 368-9, Dec 74 (Eng)
- [SIJOGRENS SYNDROME WITH PROGRESSIVE SYSTEMIC SCLEROSIS AND PRIMARY DIABETES IN A 12-YEAR-OLD GIRL]** Wesolowska H, Ludwiczak H, Ferdynus J *Rumatologia* 13: 215-9, 1975 (Pol)
- [INCIDENCE OF HYPERURICEMIA AND GOUT IN CORONARY INSUFFICIENCY FROM ANGINA PECTORIS TO MYOCARDIAL INFARCT]** May V, Robert H *Rev Rhum Mal Osteoarthr* 42: 467-70, Jul-Sep 75 (Fre)
- [ACHILLEAN REFLEXOGRAM: ITS MEASUREMENT AND ITS CORRELATIONS WITH VARIOUS CLINICAL AND BIOLOGICAL FACTORS IN 2 WORKING MALE POPULATIONS]** Kritsikis S, Ducimetiere P, Richard JL *Sem Hop Paris* 51: 2109-17, 10-20 Jul 75 (Fre)
- NASAL MUCORMYCOSIS: EARLY DETECTION AND TREATMENT WITHOUT RADICAL SURGERY OR AMPHOTERICIN B.** Pollock RA, Pratt RC, Shulman JA, Turner JS *South Med J* 68: 1279-82, Oct 75 (Eng)
- PROGNOSIS AND QUALITY OF SURVIVAL IN A HOSPITALIZED STROKE POPULATION FROM THE SOUTH.** Haerter AF, Woosley PC *Stroke* 6: 543-8, Sep-Oct 75 (Eng)

I.F DIABETES

- [LETTER: ASSOCIATION OF VITILIGO AND DIABETES MELLITUS] Afchani C *Z Allgemeinmed* 51: 880, 10 Jul 75 (Ger)
- [RISK FACTORS AND VASCULAR DISEASES. EPIDEMIOLOGIC STUDIES FROM A GENERAL PRACTICE] Schultz HJ *Z Allgemeinmed* 51: 929-38, 31 Jul 75 (Ger)
- [JUVENILE MYOCARDIAL INFARCT AND ITS RISK FACTORS. RESULTS FROM 172 CASES] Fiegel G *Z Allgemeinmed* 51: 939-41, 31 Jul 75 (Ger)
- LUMBAR SYMPATHECTOMY IN THE TREATMENT OF PERIPHERAL VASCULAR OCCLUSIVE DISEASE. TEN YEAR STUDY. Bernardi RS, Siroospour D *Am J Surg* 130: 309-14, Sep 75 (Eng)
- MANAGEMENT OF AMPUTATION-STUMP BREAKDOWN. Kerstein MD *Am Surg* 41: 581-3, Sep 75 (Eng)
- SIMULTANEOUS OCCURRENCE OF DIABETES, LIVER CIRRHOSIS, AND OF XX,21 & 46, XX CHROMOSOMAL PATTERN. Barta L, Kemeny P, Regoly-Mercel A *Arch Dis Child* 50: 573-4, Jul 75 (Eng)
- [SURGERY AND DIABETES MELLITUS (AUTHORS TRANSL.)] Litwin M, Panecka A, Smigielska H *Ann Univ Mariae Curie Skłodowska [Med]* 29: 255-62, 1974 (Pol)
- I.F.6.7 DIABETES PATHOLOGY**
- [JUVENILE DIABETES MELLITUS—THEORIES ON ITS PATHOGENESIS] Wilander E *Läkertidningen* 72: 3208-10, 27 Aug 75 (Swe)
- VULNERABILITY OF CELL-SURFACE RECEPTORS TO AUTOIMMUNE REACTIONS. Carnegie PR, Mackay IR *Lancet* 2: 684-7, 11 Oct 75 (Eng)
- INSULIN AND THE KIDNEY. Rubenstein AH, Mako ME, Horwitz DL *Nephron* 15: 306-26, 1975 (Eng) [147]
- POST-MORTEM HISTOLOGY OF THE ISLETS OF LANGERHANS IN JUVENILE DIABETES MELLITUS. Doniach I *Postgrad Med J* 50 SUPPL 3: 544-5, Aug 74 (Eng)
- THE MESANGIUM IN GLOMERULAR DISEASE. Tighe JR *Proc R Soc Med* 68: 151-8, Mar 75 (Eng)
- BIOCHEMICAL STUDIES OF THE GLOMERULAR BASEMENT MEMBRANE IN THE DISEASED KIDNEY. Mahieu P, Winand RJ, Nussgens B *Adv Nephrol* 2: 25-34, 1972 (Eng) [29]
- [DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich IuV, Minkovich BM *Arkhl Patol* 37: 3-13, 1975 (Rus)
- I.F.6.8 PREGNANCY IN DIABETES**
- UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybalski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)
- [PREGNANCY AS A TRIGGER IN LATENT DISEASE] Tervila L *Duodecim* 91: 640-2, 1975 (Fin)
- EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)
- [INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL.)] Engelhardt W, Schreiber MA, Elber H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)
- [COMA DIABETICUM AND INTRAUTERINE FETAL DEATH. THERAPEUTIC CONSIDERATIONS ON HAND OF A CLINICAL CASE (AUTHORS TRANSL.)] Muck BR *Geburtshilfe Frauenheilkd* 35: 717-20, Sep 75 (Ger)
- [MANAGEMENT OF PREGNANT DIABETIC PATIENT WITH HIGH RISK PREGNANCY] Arevalo Toledo N, Jimenez Fonseca J, Gonzalez y Gonzalez L, Chavez Hernandez F, Alvarez de la Cadena O, Noriega Guerra L *Ginecol Obstet Mex* 37: 311-21, Jun 75 (Spa)
- [USE OF TOLBUTAMIDE IN DIABETES AND PREGNANCY] Villanueva Gasca A, Maria Garcia L, Lopez Villegas J, Nunez E *Ginecol Obstet Mex* 38: 133-7, Aug 75 (Spa)
- HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltesz G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)
- CLINICAL CONFERENCE: ABORTION AND STERILIZATION. Anonymous *J Med Ethics* 1: 45-8, Apr 75 (Eng)
- THE DESIGN AND EVALUATION OF FIELD TRIALS OF INJECTABLE CONTRACEPTIVES. Rowe PJ *J Steroid Biochem* 6: 921-4, Jun 75 (Eng)
- EFFECTS OF ORAL CONTRACEPTIVE AGENTS ON CARBOHYDRATE METABOLISM. Kalkhoff RK *J Steroid Biochem* 6: 949-56, Jun 75 (Eng) [88]
- LETTER: HUMAN PLACENTAL LACTOGEN IN MANAGEMENT OF DIABETIC PREGNANCY. Letchworth AT, Chard T *Lancet* 2: 230, 2 Aug 75 (Eng)
- [NEW RESULTS IN DIABETES RESEARCH] Schweisheimer W *Med Lab (Stuttg)* 28: 132-4, Jun 75 (Ger)
- [SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schroter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)
- THE PATHOLOGY OF INFERTILITY. Craig JM *Pathol Annu* 10: 299-328, 1975 (Eng) [72]
- [MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)
- EMOTIONAL FACTORS IN JUVENILE DIABETES MELLITUS: A STUDY OF THE EARLY LIFE EXPERIENCES OF EIGHT DIABETIC CHILDREN. Stein SP, Charles ES *Psychosom Med* 37: 237-44, May-Jun 75 (Eng)
- [EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PANCREATICTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Rietti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)
- TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)
- HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)
- [DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich IuV, Minkovich BM *Arkhl Patol* 37: 3-13, 1975 (Rus)
- INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY-GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Illic V *Biochem J* 150: 145-52, Aug 75 (Eng)
- BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)
- ESTIMATION OF HORMONE RECEPTOR AFFINITY BY COMPETITIVE DISPLACEMENT OF LABELED LIGAND: EFFECT OF CONCENTRATION OF RECEPTOR AND OF LABELED LIGAND. Jacobs S, Chang K-J, Cuatrecasas P *Biochem Biophys Res Commun* 66: 687-92, 16 Sep 75 (Eng)
- CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN. Topper YJ, Vonderhaar BK, Wilchek M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)
- METABOLISM OF PROSTAGLANDIN F₂ALPHA WITHIN THE HUMAN UTERUS IN EARLY PREGNANCY. Keirse MJ, Williamson JG, Turnbull AC *Br J Obstet Gynaecol* 82: 142-5, Feb 75 (Eng)
- MITOCHONDRIA FROM HUMAN TERM PLACENTA. I. ISOLATION AND ASSAY CONDITIONS FOR OXIDATIVE PHOSPHORYLATION. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 426-35, 20 Mar 75 (Eng)
- MITOCHONDRIA FROM HUMAN TERM PLACENTA. II. CHARACTERIZATION OF RESPIRATORY PATHWAYS AND COUPLING MECHANISMS. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 436-45, 20 Mar 75 (Eng)
- ALKALINE PHOSPHATASE ISOENZYMES. TECHNICAL AND CLINICAL ASPECTS. Moss DW *Enzyme* 20: 20-34, 1975 (Eng)
- POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)
- PROTEIN HORMONES IN GYNECOLOGY: BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS. Strickler RC *Obstet Gynecol Surv* 30: 289-303, May 75 (Eng) [182]
- [THE PHYSICAL DEVELOPMENT OF NEWBORN INFANTS AND THE FREE AMINO ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Fanfirov VV *Pediatr Akush Ginekol* 43-6, Mar-Apr 75 (Ukr)
- FETAL DEPRIVATION AND PLACENTAL PATHOLOGY: CONCEPTS AND RELATIONSHIPS. Gruenewald P *Perspect Pediatr Pathol* 2: 101-49, 1975 (Eng)
- EFFECT OF UNDERNUTRITION ON NITROGEN METABOLISM IN THE PREGNANT EWE. Guada JA, Robinson JJ *Proc Nutr Soc* 33: 84a-85a, Dec 74 (Eng)
- PLACENTAL TRANSPORT OF CREATINE IN THE RAT. Koszalka TR, Jens RP, Brent RL *Proc Soc Exp Biol Med* 148: 864-9, Mar 75 (Eng)

Diabetes Literature—Hierarchical Index

1.F DIABETES

EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST TWO MONTHS OF PREGNANCY. Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)

ON THE CAUSES AND EFFECTS OF VARIATIONS IN THE BLOOD PROFILE OF SWEDISH DAIRY CATTLE. Hewett C *Acta Vet Scand [Suppl]* 1-152, 1974 (Eng)

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Filer LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spelacy WN, Conly PW, Cleveland WW, Bui WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

NEONATAL SECRETION OF SECRETIN. Rogers IM, Davidson DC, Lawrence J, Buchanan KD *Arch Dis Child* 50: 120-2, Feb 75 (Eng)

1.F.7 DIABETES OCCURRENCE, ETIOLOGY AND RELATED TERMS

1.F.7.1 DIABETES, OCCURRENCE

REGISTER OF NEWLY DIAGNOSED DIABETIC CHILDREN. Bloom A, Hayes TM, Gamble DR *Br Med J* 3: 580-3, 6 Sep 75 (Eng)

DIABETES MELLITUS IN SCOTLAND. Weir RD, Dingwall-Fordyce J *Health Bull (Edinb)* 33: 90-2, Mar 75 (Eng)

GLUCOSE TOLERANCE AND THE DIABETIC POPULATION. Malins JM *Postgrad Med J* 50 SUPPL 3: 529-37, Aug 74 (Eng)

EPIDEMIOLOGICAL AND VIROLOGICAL OBSERVATIONS ON JUVENILE DIABETES. Gamble DR *Postgrad Med J* 50 SUPPL 3: 538-43, Aug 74 (Eng)

PROBLEMS RELATING TO THE DISCHARGE OF ELDERLY PATIENTS FROM HOSPITAL. Hofmeyr H, De V. Meiring P *S Afr Med J* 49: 1614-6, 13 Sep 75 (Eng)

1.F.7.2 DIABETES, ETIOLOGY

[EXPERIMENTAL PREDIABETES AND LATENT DIABETES IN RATS FOR A 1-YEAR-PERIOD AFTER PANCREATECTOMY AD D.CHOLEDOLCHUM] Korec R *Cesk Fyziol* 24: 331-5, 1975 (Slo)

[SURGERY OF THE PANCREAS. RESULTS AND SEQUELAE] Schoenemann J *Internist (Berlin)* 16: 276-83, Jun 75 (Ger)

[CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Russ) [112]

[JUVENILE DIABETES MELLITUS--THEORIES ON ITS PATHOGENESIS] Wilander E *Lakartidningen* 72: 3208-10, 27 Aug 75 (Swe)

LETTER: AETIOLOGY OF JUVENILE DIABETES. Rolles CJ, Rayner PH, Mackintosh P *Lancet* 2: 230, 2 Aug 75 (Eng)

LETTER: IS DIABETES MELLITUS A DISORDER OF THE GLUCORECEPTOR Niki A, Niki H *Lancet* 2: 658, 4 Oct 75 (Eng)

[LETTER: INDICATIONS FOR PANCREAS RESECTION] Buente H *Munch Med Wochenschr* 117: 1438, 5 Sep 75 (Ger)

EPIDEMIOLOGICAL AND VIROLOGICAL OBSERVATIONS ON JUVENILE DIABETES. Gamble DR *Postgrad Med J* 50 SUPPL 3: 538-43, Aug 74 (Eng)

VIRUSES IN EXPERIMENTAL AND HUMAN DIABETES. Taylor KW *Postgrad Med J* 50 SUPPL 3: 546-8, Aug 74 (Eng)

EMOTIONAL FACTORS IN JUVENILE DIABETES MELLITUS: A STUDY OF THE EARLY LIFE EXPERIENCES OF EIGHT DIABETIC CHILDREN. Stein SP, Charles ES *Psychosom Med* 37: 237-44, May-Jun 75 (Eng)

[HEALTHY NUTRITION] Lewerenz G, Haenel H *Z Gesamte Hyg* 20: 682-7, Oct 74 (Ger)

1.F.7.3 DIABETES, CONGENITAL

[DIABETIC FETO- AND EMBRYOPATHIES] Gulkovich JuV, Minkovich BM *Arkh Patol* 37: 3-13, 1975 (Russ)

1.F.7.4 DIABETES, FAMILIAL AND GENETIC

REGISTER OF NEWLY DIAGNOSED DIABETIC CHILDREN. Bloom A, Hayes TM, Gamble DR *Br Med J* 3: 580-3, 6 Sep 75 (Eng)

LIPODYSTROPHY OF THE EXTREMITIES, A DOMINANTLY INHERITED SYNDROME ASSOCIATED WITH LIPATROPHIC DIABETES. Kohberling J, Willms B, Kattermann R, Creutzfeldt W *Humangenetik* 29: 111-20, 10 Sep 75 (Eng)

FAMILIAL CANINE DIABETES MELLITUS. Gershwin LJ *J Am Vet Med Assoc* 167: 479-80, 15 Sep 75 (Eng)

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Batchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

EVIDENCE FOR DIABETES MELLITUS AND GENETIC FORMS OF HYPERTRIGLYCERIDEMIA AS INDEPENDENT ENTITIES. Brunzell JD, Hazzard WR, Motulsky AG, Bierman EL *Metabolism* 24: 1115-21, Oct 75 (Eng)

[LETTER: HEREDITY OF DIABETES MELLITUS] Chimenos H, Romani JD *Nouv Presse Med* 4: 2040, 30 Aug-6 Sep 75 (Fre)

1.F.7.5 PREDIABETIC STATE

[EXPERIMENTAL PREDIABETES AND LATENT DIABETES IN RATS FOR A 1-YEAR-PERIOD AFTER PANCREATECTOMY AD D.CHOLEDOLCHUM] Korec R *Cesk Fyziol* 24: 331-5, 1975 (Slo)

PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsherg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissman I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

[PREGNANCY AS A TRIGGER IN LATENT DISEASE] Tervila L *Duodecim* 91: 640-2, 1975 (Fin)

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

[MELITURIA] Todorovic M *Med Pregl* 28: 163-9, 1975 (Ser)

EMOTIONAL FACTORS IN JUVENILE DIABETES MELLITUS: A STUDY OF THE EARLY LIFE EXPERIENCES OF EIGHT DIABETIC CHILDREN. Stein SP, Charles ES *Psychosom Med* 37: 237-44, May-Jun 75 (Eng)

[EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PANCREATECTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Rietti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)

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[COMA DIABETICUM AND INTRAUTERINE FETAL DEATH. THERAPEUTIC CONSIDERATIONS ON HAND OF A CLINICAL CASE (AUTHORS TRANSL)] Muck BR *Geburtshilfe Frauenheilkd* 35: 717-20, Sep 75 (Ger)

[MELITURIA] Todorovic M *Med Pregl* 28: 163-9, 1975 (Ser)

[AMBULATORY MANAGEMENT OF THE DIABETIC CHILD (AUTHORS TRANSL)] Hurter P *Monatsschr Kinderheilkd* 123: 711-7, Oct 75 (Ger)

[INDUCED HYPERGLYCEMIA AND THE CONCLUSIONS RESULTING FROM IT] Teuscher A, Hurni L *Rev Med Suisse Romande* 95: 315-24, May 75 (Fre)

[INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS] Certhoux J, Grandjean C, Colombo J, Le Devehat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)

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LETTER: PYRIDOXINE AND OESTROGEN-INDUCED GLUCOSE INTOLERANCE. Cornish EJ, Tesoriero W *Br Med J* 3: 649-50, 13 Sep 75 (Eng)

[CONTROLLED APPLICATION OF CYNARIN IN THE TREATMENT OF HYPERLIPEMIC SYNDROME. OBSERVATIONS IN 60 CASES] Montini M, Levoni P, Ongaro A, Pagani G *Arzneim Forsch* 25: 1311-4, Aug 75 (Ger)

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- ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS** Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)
- PLASMA GLYCOSPHINGOLIPIDS IN DIABETICS AND NORMALS** Kremer GJ, Atzpodien W, Schnellbacher E *Klin Wochenschr* 53: 637-8, 1 Jul 75 (Eng)
- [LETTER: HEREDITY OF DIABETES MELLITUS]** Chimenos H, Romani JD *Nouv Presse Med* 4: 2040, 30 Aug-6 Sep 75 (Fre)
- A YEARS EXPERIENCE IN A CLINIC FOR OBESE DIABETICS** Jackson WP, Movsowitz F, Goldblatt R *S Afr Med J* 49: 1598-600, 13 Sep 75 (Eng)
- THE INFLUENCE OF DIABETIC REGULATION ON THE DIURNAL VARIATION IN BLOOD AND THE URINARY EXCRETION OF KETONE BODIES. STUDIES IN NEWLY DIAGNOSED DIABETICS** Wildenhoff KE *Acta Med Scand* 198: 127-33, Jul-Aug 75 (Eng)
- MASSIVE OBESITY AND THE KIDNEY. A MORPHOLOGICAL AND STATISTICAL STUDY** Cohen AH *Am J Pathol* 81: 117-30, Oct 75 (Eng)
- 1.F.9.2.2 GLUCOSE, THERAPEUTIC USE**
- EVIDENCE FOR BENEFICIAL EFFECT OF INTRAVENOUS GLUCOSE ON THE HEMODYNAMIC RESPONSE TO ACUTE ASPHYXIA** Scholle SF, Griggs DM Jr *Proc Soc Exp Biol Med* 148: 743-7, Mar 75 (Eng)
- 1.F.9.2.3 DIET**
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- DIETARY CARBOHYDRATES AND HYPERLIPEMIC STATES IN MAN** Bierman EL *Nutr Metab* 18 suppl 1: 108-14, 1975 (Eng)
- FACTORS INFLUENCING CARBOHYDRATE METABOLISM IN MAN** Hultman E, Nilsson LH *Nutr Metab* 18 suppl 1: 45-64, 1975 (Eng)
- A YEARS EXPERIENCE IN A CLINIC FOR OBESE DIABETICS** Jackson WP, Movsowitz F, Goldblatt R *S Afr Med J* 49: 1598-600, 13 Sep 75 (Eng)
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- CHILDHOOD AND DIET AS RELATED TO ATHEROSCLEROSIS. CAN THE PEDIATRICIAN HELP PROTECT AGAINST ADULT CORONARY ARTERY DISEASE** Laird WP *Clin Pediatr (Phila)* 14: 485-6, 491-4, May 75 (Eng)
- TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY** Edmonds CJ, Jasani BM, Smith T *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)
- EFFECTS OF POLYUNSATURATED FATS ON LIPID METABOLISM IN PATIENTS WITH HYPERTRIGLYCERIDEMIA** Grundy SM *J Clin Invest* 55: 269-82, Feb 75 (Eng)
- RESISTANCE TO SLIMMING: ADAPTATION OR ILLUSION** Miller DS, Parsonage S *Lancet* 1: 773-5, 5 Apr 75 (Eng)
- LETTER: BRAN AND BLOOD-LIPIDS** Cleave TL *Lancet* 1: 857, 12 Apr 75 (Eng)
- ULTRASTRUCTURE OF CELLS ISOLATED ENZYMICALLY FROM THE AORTA OF RABBITS WITH EXPERIMENTAL ATHEROSCLEROSIS** Rosnowski A, Hinc A *Pol Med Sci Hist Bull* 15: 387-98, Sep-Oct 74 (Eng)
- [PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS]** Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)
- CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR** Habte D, Persson B, Sterky G *Acta Paediatr Scand* 64: 267-72, Mar 75 (Eng)
- THE INFLUENCE OF DIET ON RESPONSE TO HEMORRHAGIC SHOCK** Drucker WR, Howard PL, McCoy S *Ann Surg* 181: 698-704, May 75 (Eng)
- RABBIT AORTIC HISTAMINE SYNTHESIS FOLLOWING SHORT-TERM CHOLESTEROL FEEDING** Hollis TM, Sloss RJ *Atherosclerosis* 21: 125-34, Mar-Apr 75 (Eng)
- ATHEROSCLEROSIS IN FAMILIAL LINES OF PIGEONS FED EXOGENOUS CHOLESTEROL** Patton NM, Brown RV, Middleton CC *Atherosclerosis* 21: 147-54, Mar-Apr 75 (Eng)
- DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS** Kokatnur MG, Malcom GT, Eggen DA, Strong JP *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)
- 1.F.9.2.4 DIABETIC DIET**
- SURVEY OF DIETARY POLICY AND MANAGEMENT IN BRITISH DIABETIC CLINICS** Truswell AS, Thomas BJ, Brown AM *Br Med J* 4: 7-11, 4 Oct 75 (Eng)
- 1.F.9.2.5 DIETARY CARBOHYDRATES**
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- CARBOHYDRATE DIGESTION AND ABSORPTION IN THE EQUINE SMALL INTESTINE** Roberts MC *J S Afr Vet Assoc* 46: 19-27, Mar 75 (Eng)
- ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS** Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)
- DIETARY CARBOHYDRATES AND HYPERLIPEMIC STATES IN MAN** Bierman EL *Nutr Metab* 18 suppl 1: 108-14, 1975 (Eng)
- [SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS]** Schrotter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)
- QUANTITATIVE COMPARISON AND EVALUATION OF UTILIZATION OF PARENTAL ADMINISTERED CARBOHYDRATES** Heuckenkamp PU, Zollner N *Nutr Metab* 18 suppl 1: 209-26, 1975 (Eng)
- FACTORS INFLUENCING CARBOHYDRATE METABOLISM IN MAN** Hultman E, Nilsson LH *Nutr Metab* 18 suppl 1: 45-64, 1975 (Eng)
- [ROLE OF CARBOHYDRATE IN THE LIGHT OF THEIR METABOLISM]** Miler-Sosnkowska M *Postępy Hig Med Dosw* 29: 537-55, Jul-Aug 75 (Pol)
- GLYCEROL: MAJOR CONTRIBUTOR TO THE SHORT TERM PROTEIN SPARING EFFECT OF FAT EMULSIONS IN NORMAL MAN** Brennan MF, Fitzpatrick GF, Cohen KH, Moore FD *Ann Surg* 182: 386-94, Oct 75 (Eng)
- LETTER: BRAN AND BLOOD-LIPIDS** Cleave TL *Lancet* 1: 857, 12 Apr 75 (Eng)
- HUMAN PLASMA TRIGLYCERIDE LABELING AFTER HIGH SUCROSE FEEDING. II. STUDY ON TRIGLYCERIDE KINETICS AND POSTHEPARIN LIPOLYTIC ACTIVITY** Wu CH, Shreeve WW *Metabolism* 24: 755-66, Jun 75 (Eng)
- THE EFFECTS OF FOOD PROCESSING ON NUTRITIONAL VALUES** Anonymous *Nutr Rev* 33: 123-6, Apr 75 (Eng)
- SEX-DIFFERENCE IN THE RESPONSE TO DIFFERENT KINDS OF DIETARY CARBOHYDRATES IN RATS** Takemoto T *Tohoku J Exp Med* 115: 213-22, Mar 75 (Eng)
- REGIONAL VARIATION IN GLYCOLYTIC ENZYME ADAPTATION TO DIETARY SUGARS IN RAT SMALL INTESTINE** Espinoza J, Hritz A, Kaplan R, Clark SB, Rosensweig NS *Am J Clin Nutr* 28: 453-8, May 75 (Eng)
- CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO** Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)
- DIET AND INTESTINAL ENZYME ADAPTATION: IMPLICATIONS FOR GASTROINTESTINAL DISORDERS** Rosensweig NS *Am J Clin Nutr* 28: 648-55, Jun 75 (Eng)
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- DIETARY CARBOHYDRATES AND HYPERLIPEMIC STATES IN MAN** Bierman EL *Nutr Metab* 18 suppl 1: 108-14, 1975 (Eng)
- [POSTOPERATIVE PARENTAL NUTRITION]** Goschke H, Leutenegger A, Gruber UF *Nutr Metab* 18 suppl 1: 197-208, 1975 (Ger)

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- ULTRASTRUCTURE OF CELLS ISOLATED ENZYMICALLY FROM THE AORTA OF RABBITS WITH EXPERIMENTAL ATHEROSCLEROSIS.** Rosnowski A, Hinec A *Pol Med Sci Hist Bull* 15: 387-98, Sep-Oct 74 (Eng)
- THE LOCALIZATION OF ALKALINE PHOSPHATASE ACTIVITY IN THE RAT SMALL INTESTINAL EPITHELIUM AFTER FAT AND PROTEIN FEEDING.** Ono K *Acta Histochem (Jena)* 51: 124-37, 1974 (Eng)
- RABBIT AORTIC HISTAMINE SYNTHESIS FOLLOWING SHORT-TERM CHOLESTEROL FEEDING.** Hollis TM, Sloss RJ *Atherosclerosis* 21: 125-34, Mar-Apr 75 (Eng)
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- A NEW METHOD FOR THE PRODUCTION OF EXPERIMENTAL DIABETES IN RABBITS.** Pakrashi A, Mukherjee SK *J Endocrinol* 66: 147-50, Aug 75 (Eng)
- GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE IN THERMAL TRAUMA. I. EFFECT OF EXOGENOUS INSULIN.** Hessman Y, Thoren L *Acta Chir Scand* 141: 385-92, 1975 (Eng)
- GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE DURING CONTINUOUS INFUSION OF ADRENALIN. II. EFFECT OF EXOGENOUS INSULIN.** Hessman Y *Acta Chir Scand* 141: 393-8, 1975 (Eng)
- [INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS]** Certhoux J, Grandeau C, Colombo J, Le Devehat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)
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- A PROGRESS REPORT ON THE UNIVERSITY GROUP DIABETES PROGRAM.** Prout TE *Int J Clin Pharmacol Biopharm* 12: 244-51, Jul 75 (Eng)
- A NEW METHOD FOR THE PRODUCTION OF EXPERIMENTAL DIABETES IN RABBITS.** Pakrashi A, Mukherjee SK *J Endocrinol* 66: 147-50, Aug 75 (Eng)
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- [NEW RESULTS IN DIABETES RESEARCH]** Schweinsheimer W *Med Lab (Stuttg)* 28: 132-4, Jun 75 (Ger)
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- [THE EFFECT OF RASTINON ON THE BETA CELLS OF THE RAT AND GUINEA PIG PANCREAS]** Ogneva V *Eksp Med Morfol* 12: 92-7, 1973 (Bul)
- METABOLIC STUDIES IN THE PYLONEPHRITIC RAT.** Davidson MB *Diabetes* 24: 881-91, Oct 75 (Eng)
- [USE OF TOLBUTAMIDE IN DIABETES AND PREGNANCY]** Villanueva Gasca A, Maria Garcia L, Lopez Villegas J, Nunez E *Ginecol Obstet Mex* 38: 133-7, Aug 75 (Spa)
- GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY.** Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)
- THE METABOLIC SPECTRUM OF HALOFENATE.** Ryan JR *Int J Clin Pharmacol Biopharm* 12: 239-43, Jul 75 (Eng)
- A PROGRESS REPORT ON THE UNIVERSITY GROUP DIABETES PROGRAM.** Prout TE *Int J Clin Pharmacol Biopharm* 12: 244-51, Jul 75 (Eng)
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- [DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)]** Grabner W, Matzki F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)
- [CARBOHYDRATE METABOLISM IN LIVER DISEASES]** Mustin VI *Klin Med (Mosk)* 52: Feb 74 (Rus) [112]
- [COMPARATIVE USE OF GLIQUIDONE AND TOLBUTAMIDE ADMINISTERED IN-**

1.F DIABETES

- TRAVENOUSLY] Zilker T, Luders L, Bottermann P *Munch Med Wochenschr* 117: 1421-2, 5 Sep 75 (Ger)
- [HEART DEATH AND ORAL ANTIDIABETICS; THE LAST JUDGEMENT] Toubert JL *Ned Tijdschr Geneesk* 119: 1506-8, 27 Sep 75 (Dut)
- DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)
- FAREWELL TO PHENFORMIN FOR TREATING DIABETES MELLITUS. Williams RH, Palmer JP *Ann Intern Med* 83: 567-8, Oct 75 (Eng)
- [STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL.) Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)
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- A NEW METHOD FOR THE PRODUCTION OF EXPERIMENTAL DIABETES IN RABBITS. Pakrashi A, Mukherjee SK *J Endocrinol* 66: 147-50, Aug 75 (Eng)
- [COMPARATIVE USE OF GLIQUIDONE AND TOLBUTAMIDE ADMINISTERED INTRAVENOUSLY] Zilker T, Luders L, Bottermann P *Munch Med Wochenschr* 117: 1421-2, 5 Sep 75 (Ger)
- [EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Zilker T, Waldthaler A, Ermler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)
- [STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL.) Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)
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- [HEART DEATH AND ORAL ANTIDIABETICS; THE LAST JUDGEMENT] Toubert JL *Ned Tijdschr Geneesk* 119: 1506-8, 27 Sep 75 (Dut)
- [PHENFORMIN, KIDNEY INSUFFICIENCY AND LACTIC ACIDOSIS] Marowski B *Ther Ggw* 113: 1706-26, Oct 74 (Ger)
- PHENFORMIN AND ETHYLESTRENOL IN RECURRENT VENOUS THROMBOSIS. Nilsson IM, Hedner U, Isacson S *Acta Med Scand* 198: 107-13, Jul-Aug 75 (Eng)
- FAREWELL TO PHENFORMIN FOR TREATING DIABETES MELLITUS. Williams RH, Palmer JP *Ann Intern Med* 83: 567-8, Oct 75 (Eng)
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- EFFECT OF ORAL ANTIDIABETIC DRUGS ON LIPASE ACTIVITY IN VITRO. Holmes JH, Sapeika N, Zwarenstein H *Res Commun Chem Pathol Pharmacol* 11: 667-70, Aug 75 (Eng)
- [THE EFFECT OF BIGUANIDE PREPARATIONS ON LIPID METABOLISM] Pavlov K *Vutr Boles* 13: 115-8, 1974 (Bul)
- 1.F.9.5 DIABETES DRUG THERAPY**
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- CLINICAL TRIAL OF GLIBORNURIDE IN DIABETES. Logie AW, Stowers JM *Br Med J* 3: 514-5, 30 Aug 75 (Eng)
- EDITORIAL: PHENFORMIN AND HYPERTENSION. Anonymous *Br Med J* 3: 724-5, 27 Sep 75 (Eng)
- HYPOCHOLESTEROLEMIC ACTIVITY OF COLESTIPOL IN DIABETES. Bandiside MS, Boshell BR *Curr Ther Res* 18: 276-84, Aug 75 (Eng)
- [USE OF TOLBUTAMIDE IN DIABETES AND PREGNANCY] Villanueva Gasca A, Maria Garcia L, Lopez Villegas J, Nunez E *Ginecol Obstet Mex* 38: 133-7, Aug 75 (Spa)
- [CONTROL OF DIABETES BY DIET ALONE IN PATIENTS RECEIVING ORAL HYPOGLYCAEMIC DRUGS] Dreyfuss G, Canaani Z *Harefuah* 89: 254-6, 16 Sep 75 (Heb)
- A PROGRESS REPORT ON THE UNIVERSITY GROUP DIABETES PROGRAM. Prout TE *Int J Clin Pharmacol Biopharm* 12: 244-51, Jul 75 (Eng)
- ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)
- REVERSIBLE ABNORMALITIES IN POSTHEPARIN LIPOLYTIC ACTIVITY DURING THE LATE PHASE OF RELEASE IN DIABETES MELLITUS (POSTHEPARIN LIPOLYTIC ACTIVITY IN DIABETES). Brunzell JD, Porte D Jr, Bierman EL *Metabolism* 24: 1123-37, Oct 75 (Eng)
- [DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL.)] Azzopardi J, Campbell IW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)
- [HIGHLY PURIFIED INSULINS IN THE MODERN TREATMENT OF DIABETES] Woenckhaus JW *Med Klin* 70: 1401-7, 5 Sep 75 (Ger)
- [AMBULATORY MANAGEMENT OF THE DIABETIC CHILD (AUTHORS TRANSL.)] Hurter P *Monatsschr Kinderheilkd* 123: 711-7, Oct 75 (Ger)
- [EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Zilker T, Waldthaler A, Ermler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)
- [HEART DEATH AND ORAL ANTIDIABETICS; THE LAST JUDGEMENT] Toubert JL *Ned Tijdschr Geneesk* 119: 1506-8, 27 Sep 75 (Dut)
- STUDY OF RENAL FUNCTIONS BY REPEATED CONSTANT INFUSION OF RADIOTRACERS BEFORE AND AFTER INITIATION OF THERAPY IN HYPERTENSION OR IN DIABETES MELLITUS. Mirouze J, Monnier L, Olivier C *Pathol Biol (Paris)* 23: 599-603, Oct 75 (Eng)
- [LETTER: PRACTICAL IMPORTANCE OF SORBITOL IN DIABETOLOGY] Heraud G, Roux E, Stach JL *Nouv Presse Med* 4: 2113 (2), 13 Sep 75 (Fre)
- [LETTER: LYOPHILIZED PANCREATIC EXTRACT, A THERAPEUTIC ADJUVANT OF LIGHT DIABETES] Klotz HP *Nouv Presse Med* 4: 2333, 4 Oct 75 (Fre)
- [ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irusta O, Foglia VG *Rev Soc Argent Biol* 48: 49-48-60, Apr 72-Nov 73 (Spa)
- [ADVANCES IN INSULIN THERAPY OF DIABETES MELLITUS] Aarseth S *Tidsskr Nor Lægeforen* 95: 1540-4, 30 Sep 75 (Nor)
- [REHABILITATION OF ORAL HYPOGLYCAEMIC AGENTS] Biron P *Union Med Can* 104: 1421-4, Sep 75 (Fre)
- [THE EFFECT OF BIGUANIDE PREPARATIONS ON LIPID METABOLISM] Pavlov K *Vutr Boles* 13: 115-8, 1974 (Bul)
- SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)
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- 1.F.9.6 DIABETES THERAPY**
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- DIABETES MELLITUS IN SCOTLAND. Weir RD, Dingwall-Fordyce J *Health Bull (Edinb)* 33: 90-2, Mar 75 (Eng)
- DIABETES MELLITUS (A PSYCHOSOMATIC STUDY OF 147 CASES). Bagadia VN, Havaldar PP, Gada MT, Pradhan PV, Shah LP, Dhirawani MK *J Postgrad Med* 21: 17-29, Jun 75 (Eng)
- [RECENT ACQUISITIONS IN THE FIELD OF ANTI-DIABETIC TREATMENT] Hsine M, Baquet R *Maroc Med* 55: 289-92, Jun 75 (Fre)
- [NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLANTATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)
- [AMBULATORY MANAGEMENT OF THE DIABETIC CHILD (AUTHORS TRANSL.)] Hurter P *Monatsschr Kinderheilkd* 123: 711-7, Oct 75 (Ger)
- [SHORT REVIEW OF THE RESULTS OF SCIENTIFIC STUDIES IN PEDIATRICS IN 1972] Litimova AA, Sagulka VV, Vintovkina IS, Shikhtina SE *Pediatrria* 58-64, Jun 74 (Rus)
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A PROGRESS REPORT ON THE UNIVERSITY GROUP DIABETES PROGRAM. Prout TE *Int J Clin Pharmacol Biopharm* 12: 244-51, Jul 75 (Eng)

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GLUCOSE TOLERANCE AND THE DIABETIC POPULATION. Malins JM *Postgrad Med J* 50 SUPPL 3: 529-37, Aug 74 (Eng)

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LETTER: PYRIDOXINE AND OESTROGEN-INDUCED GLUCOSE INTOLERANCE. Cornish EJ, Tesoriero W *Br Med J* 3: 649-50, 13 Sep 75 (Eng)

DEPRESSED DUODENAL CALCIUM ABSORPTION IN THE DIABETIC RAT: RESTORATION BY SOLANUM MALACOXYLON. Schneider LE, Wasserman RH, Schedl HP *Endocrinology* 97: 649-53, Sep 75 (Eng)

ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS. Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)

A NEW METHOD FOR THE PRODUCTION OF EXPERIMENTAL DIABETES IN RABBITS. Pakrashi A, Mukherjee SK *J Endocrinol* 66: 147-50, Aug 75 (Eng)

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

EFFECTS OF ORAL CONTRACEPTIVE AGENTS ON CARBOHYDRATE METABOLISM. Kalkhoff RK *J Steroid Biochem* 6: 949-56, Jun 75 (Eng) [88]

THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotze JP, Steinberg D *S Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)

UPTAKE OF LABELLED-N-NITROSOMETHYLEUREA IN THE PANCREATIC ISLETS. Wilander E, Tjalve H *Virchows Arch [Pathol Anat]* 367: 27-33, 23 Jun 75 (Eng)

[THE EFFECT OF BIGUANIDE PREPARATIONS ON LIPID METABOLISM] Pavlov K *Vutr Boles* 13: 115-8, 1974 (Bul)

LIPOATROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYSTROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-COA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroeff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

GLYCOGEN SYNTHESIS IN THE PERFUSED LIVER OF STREPTOZOTOCIN-DIABETIC RATS. Whittton PD, Hems DA *Biochem J* 150: 153-65, Aug 75 (Eng)

1.F.10.2 ALLOXAN DIABETES

PREVENTION OF 6-HYDROXYDOPAMINE NEUROTOXICITY. Cohen G, Allis B, Winston B, Mytilineou C, Heikkila R *Eur J Pharmacol* 33: 217-21, Aug 75 (Eng)

CUTANEOUS REACTIONS OF ALLOXAN DIABETIC RATS TO LOCAL THERMAL TRAUMA. Lithner F, Hagg E *Ups J Med Sci* 80: 99-102, 1975 (Eng)

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ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)

GLYCOSAMINOGLYCANS AND HYDROXYPROLINE OF RABBIT LENS IN THE COURSE OF ARTIFICIAL ATHEROSCLEROSIS AND ALLOXAN DIABETES. Hanzlik J, Tomaszewski J *Folia Biol (Krakow)* 23: 293-8, 1975 (Eng)

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYL-PREDNISOLONE. Issekutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

1.F.10.2.5 ALLOXAN DIABETES, PATHOLOGY

MESANGIAL CHANGES OF THE RENAL GLOMERULUS IN LONG-TERM DIABETIC RATS. Anjo A, Couturier E *Pathol Eur* 10: 21-7, 1975 (Eng)

[MORPHOLOGICAL AND HISTOCHEMICAL RESEARCH OF THE RABBIT AORTA WITH EXPERIMENTAL CHOLESTEROL ATHEROMASIA AND ALLOXAN DIABETES (AUTHORS TRANSL)] Stepien A, Hanzlik J, Lopatynski J, Wolanski I *Ann Univ Mariae Curie Skłodowska [Med]* 29: 157-67, 1974 (Pol)

1.F.10.2.6 ALLOXAN DIABETES, PHYSIOPATHOLOGY

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYL-PREDNISOLONE. Issekutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

POTENTIATION OF THE HEPATOTOXIC RESPONSES TO CHEMICALS IN ALLOXAN-DIABETIC RATS. Hanasono GK, Witschi H, Plau GL *Proc Soc Exp Biol Med* 149: 903-7, Sep 75 (Eng)

EFFECT OF DIABETES ON GOLD THIOGLUCOSE LESIONS IN RATS. Kellar KJ, Sterling GH, O'Neill JJ *Proc West Pharmacol Soc* 18: 380-3, 1975 (Eng)

1.F.11 DIABETES, VETERINARY

FAMILIAL CANINE DIABETES MELLITUS. Gershwin LJ *J Am Vet Med Assoc* 167: 479-80, 15 Sep 75 (Eng)

1.F.12 DIABETES, HISTORY

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

SECTION 2. ENDOCRINOLOGY AND RELATED TOPICS

2.A ENDOCRINE PANCREAS

2.A.1 ISLETS (SEE SEC. 1.A)

2.A.2 INSULIN (SEE SEC. 1.C)

2.A.3 GLUCAGON (SEE SEC. 1.D)

2.B ADRENAL GLANDS

OSMOLAR CONTROL OF THE CIRCULATION IN HEMORRHAGIC HYPOTENSION. AN EXPERIMENTAL STUDY IN THE CAT. Jarhult J *Acta Physiol Scand [Suppl]* 1-84, 1975 (Eng)

[DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich IuV, Minkovich BM *Arkh Patol* 37: 3-13, 1975 (Rus)

SEX-DIFFERENCE IN THE RESPONSE TO DIFFERENT KINDS OF DIETARY CARBOHYDRATES IN RATS. Takemoto T *Tohoku J Exp Med* 115: 213-22, Mar 75 (Eng)

2.B.1 ADRENAL CORTEX

2.B.2 ADRENAL CORTEX HORMONES

[DYSLIPIDEMIAS AND HORMONES] Orlandi F, Serra D *Minerva Med* 66: 3381-7, 3 Oct 75 (Ita)

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOPHYSIS-ADRENAL CORTEX SYSTEM] Shalipina VG, Filaretov AA *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

2.B.2.1 GLUCOCORTICOIDS

THE USE OF INHIBITORS IN THE STUDY OF HORMONE MECHANISMS IN CELL CULTURE. Scott WA, Tomkins GM *Methods Enzymol* 40: 273-93, 1975 (Eng)

2.B.2.1.1 CORTISONE

2.B.2.1.2 HYDROCORTISONE

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Uim *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybalski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT.

3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE. Pinter EJ, Tolis G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]

[THE EFFECT OF BIGUANIDE PREPARATIONS ON LIPID METABOLISM] Pavlov K *Vutr Bules* 13: 115-8, 1974 (Bul)

PLASMA ALDOSTERONE IN ANEPHRIC AND NON-NEPHRECTOMIZED DIALYSIS PATIENTS IN RELATION TO CHANGES IN PLASMA POTASSIUM WITHOUT CHANGE IN TOTAL POTASSIUM BALANCE. Olgaard K *Acta Med Scand* 198: 213-8, Sep 75 (Eng)

PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jan-Jul 75 (Fre)

GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhas O, Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

CLINICAL TESTING OF THE HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL SYSTEM IN STATES OF HYPO- AND HYPERCORTISOLISM. Gwinup G, Johnson B *Metabolism* 24: 777-91, Jun 75 (Eng) [87]

POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riodel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

A CASE OF ACUTE ADRENOCORTICAL FAILURE ON THE SECOND DAY FOLLOWING MITRAL COMMISURECTOMY. Holdrowicz M, Szymanska M *Anaesth Resusc Intensive Ther* 2: 373-7, Oct-Dec 74 (Eng)

2.B.2.1.3 OTHER GLUCOCORTICOIDS

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF *J Exp Pathol* 56: 299-306, Aug 75 (Eng)

CLOBETASONE BUTYRATE, A NEW TOPICAL CORTICOSTEROID: CLINICAL ACTIVITY AND EFFECTS ON PITUITARY-ADRENAL AXIS FUNCTION AND MODEL OF EPIDERMAL ATROPHY. Munro DD, Wilson L *Br Med J* 3: 626-8, 13 Sep 75 (Eng)

[KALLMANS SYNDROME-HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodexim* 91: 649-56, 1975 (Fin)

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYLPREDNISOLONE. Issekutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

[RESULTS OF THE TREATMENT OF PATIENTS WITH PEMPHIGUS] Balavichene G *Vestn Dermatol Venerol* 66-9, Aug 75 (Rus)

LIPOTATROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYSTROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

FACTORS INFLUENCING THE CIRCADIAN PERIODICITY OF PLASMA CORTICOSTEROID LEVELS. Krieger DT *Chronobiologia* 1: 195-216, Apr-Jun 74 (Eng) [100]

2.B ADRENAL GLANDS

EFFECT OF DEXAMETHASONE ON THE SECRETION OF THYROTROPIN IN THE RAT: DOSE AND TIME RELATIONS. Ranta T *Endocrinology* 96: 1566-70, Jun 75 (Eng)

INHIBITORY EFFECT OF OUABAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)

[THE FUNCTIONAL STATE OF THE SYMPATHETIC-ADRENAL AND PITUITARY-ADRENOCORTICAL SYSTEMS DURING CHRONIC NEURO-EMOTIONAL STRESS] Belova TA, Vasilev VN *Probl Endokrinol (Mosk)* 21: 27-32, Mar-Apr 75 (Rus)

METABOLISM RATE, BIOCHEMICAL AND ENDOCRINE ALTERATIONS IN MALE WHIRLER MICE. Weltman AS, Sackler AM, Lewis AS, Johnson I. *Physiol Behav* 5: 17-22, Jan 70 (Eng)

SIGNIFICANCE OF GASTRIC SECRETORY CHANGES IN THE PATHOGENESIS OF STRESS ULCERS. Hase T, Anderson PR, Melhman B *Am J Dig Dis* 20: 443-9, May 75 (Eng)

A CASE OF ACUTE ADRENOCORTICAL FAILURE ON THE SECOND DAY FOLLOWING MITRAL COMMISUROTOMY. Hol-drowicz M, Szymanska M *Anaesth Resusc Intensive Ther* 2: 373-7, Oct-Dec 74 (Eng)

2.B.2.2 MINERALOCORTICOIDS

METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]

PLASMA ALDOSTERONE IN ANEPHRIC AND NON-NEPHRECTOMIZED DIALYSIS PATIENTS IN RELATION TO CHANGES IN PLASMA POTASSIUM WITHOUT CHANGE IN TOTAL POTASSIUM BALANCE. Olgaard K *Acta Med Scand* 198: 213-8, Sep 75 (Eng)

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

A CASE OF ACUTE ADRENOCORTICAL FAILURE ON THE SECOND DAY FOLLOWING MITRAL COMMISUROTOMY. Hol-drowicz M, Szymanska M *Anaesth Resusc Intensive Ther* 2: 373-7, Oct-Dec 74 (Eng)

2.B.3 ADRENAL MEDULLA

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTX AFTER ACUTE AND REPEATED STRESS. Kvetnansky R, Torda T, Jahnova I, Saleh N *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

2.B.3.1 EPINEPHRINE

IN VITRO LIPOLYTIC EFFECT OF BOVINE PITUITARY DIABETOGENIC PROTEIN. Tut-wiler GF *Biochim Biophys Acta* 404: 18-29, 8 Sep 75 (Eng)

METABOLIC RESPONSES OF PERFUSED RAT LIVERS TO ALPHA- AND BETA-ADRENER-

GIC AGONISTS, GLUCAGON AND CYCLIC AMP. Jakob A, Diem S *Biochim Biophys Acta* 404: 57-66, 8 Sep 75 (Eng)

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Ui M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS: ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissbah AH, Clarke P, Vydellingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissbah AH, Hope-Gill H, Vydellingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

METABOLIC STUDIES IN THE PYLONEPHRITIC RAT. Davidson MB *Diabetes* 24: 881-91, Oct 75 (Eng)

EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN. Hamet P, Lowder SC, Hardman JG, Liddle GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE DURING CONTINUOUS INFUSION OF ADRENALIN. II. EFFECT OF EXOGENOUS INSULIN. Hessman Y *Acta Chir Scand* 141: 393-8, 1975 (Eng)

THE RENIN-ANGIOTENSIN SYSTEM IN DIABETES MELLITUS. Hauger-Klevane JH, Barontini de Moyano MB *Acta Physiol Lat Am* 24: 419-24, 1974 (Eng)

EPINEPHRINE-INDUCED HYPERGLYCEMIA AND GLYCOGENOLYSIS IN FED AND FASTED NEONATAL SWINE. Stanton HC, Mueller RL *Biol Neonate* 25: 307-19, 1974 (Eng)

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C *Chronobiologia* 1: Apr-Jun 74 (Eng)

STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID. Marshall NJ, von Borecke S, Malan PG *Endocrinology* 96: 1520-4, Jun 75 (Eng)

INHIBITORY EFFECT OF OUABAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOTHY-S-ADRENAL CORTX SYSTEM] Shaliapina VG, Filaretov AA *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

THE LAST CONVERSION WITH DR. EARL W. SUTHERLAND, JR: THE FEEDBACK REGULATION OF CYCLIC NUCLEOTIDES. Ho RJ, Russell T, Asakawa T *Metabolism* 24: 257-64, Mar 75 (Eng)

SITE OF FREE-FATTY-ACID INHIBITION OF LIPOLYSIS BY HUMAN ADIPOCYTES. Burns TW, Langley PE, Robison GA *Metabolism* 24: 265-76, Mar 75 (Eng)

[THE FUNCTIONAL STATE OF THE SYMPATHETIC-ADRENAL AND PITUITARY-

ADRENOCORTICAL SYSTEMS DURING CHRONIC NEURO-EMOTIONAL STRESS] Belova TA, Vasilev VN *Probl Endokrinol (Mosk)* 21: 27-32, Mar-Apr 75 (Rus)

PLASMA PROTEIN BINDING OF EPINEPHRINE. Russell JC, Doty DM *Physiol Chem Phys* 5: 75-86, 1973 (Eng)

CARBOHYDRATE METABOLISM AND ITS RESPONSE TO CATECHOLAMINES AS MODIFIED IN ALKALOTIC RAT. Yajima M, Ui M *Am J Physiol* 228: 1046-52, Apr 75 (Eng)

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetze B, Spaulding H, Summers R, Wood D *J Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

PLASMA ADRENALINE CONCENTRATIONS IN RATS: INFLUENCE OF ANAESTHETICS AND HEART RATE RESPONSE TO PRONETHALOL. Dean HG, Rylett PA *J Pharm Pharmacol* 27: 70-1, Jan 75 (Eng)

2.B.3.2 NOREPINEPHRINE

THE EFFECT OF GLUCAGON ON GLOMERULAR FILTRATION RATE IN DOGS DURING REDUCTION OF RENAL BLOOD FLOW. Levy M *Can J Physiol Pharmacol* 53: 660-8, Aug 75 (Eng)

PREVENTION OF 6-HYDROXYDOPAMINE NEUROTOXICITY. Cohen G, Allis B, Winston B, Mytilineou C, Heikkila R *Eur J Pharmacol* 33: 217-21, Aug 75 (Eng)

INSULIN-SENSITIVE PHOSPHODIESTERASE. ITS LOCALIZATION, HORMONAL STIMULATION, AND OXIDATIVE STABILIZATION. Kono T, Robinson FW, Sarver JA *J Biol Chem* 250: 7826-35, 10 Oct 75 (Eng)

THE RENIN-ANGIOTENSIN SYSTEM IN DIABETES MELLITUS. Hauger-Klevane JH, Barontini de Moyano MB *Acta Physiol Lat Am* 24: 419-24, 1974 (Eng)

PROCEEDINGS: THE DISPOSITION OF L-(3-H) - NORADRENALINE BY THE ISOLATED EPIDIDYMAL FAT PAD OF THE RAT AND THE EFFECT OF ANTILIPOLYTIC AGENTS. Bizzi A, Codegoni AM, Luzzani F, Manara L, Taccioni MT *Br J Pharmacol* 52: 449p-450p, Nov 74 (Eng)

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C *Chronobiologia* 1: Apr-Jun 74 (Eng)

LIPOLYSIS AND CYCLIC-3, 5-AMP CONTENT IN RAT ADIPOSE TISSUE AT DIFFERENT AGE. Macho L, Kolena J *Endocrinol Exp (Bratisl)* 9: 93-9, Jun 75 (Eng)

STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID. Marshall NJ, von Borecke S, Malan PG *Endocrinology* 96: 1520-4, Jun 75 (Eng)

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOTHY-S-ADRENAL CORTX SYSTEM] Shaliapina VG, Filaretov AA *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

BIPHASIC EFFECT OF THE ALPHA-ADRENOLYTIC PHENTOLAMINE ON HORMONE-STIMULATED FORMATION OF CYCLIC ADENOSINE-3,5-MONOPHOSPHATE IN ISOLATED FAT CELLS OF RATS. Stock K, Thomas T *Metabolism* 24: 277-86, Mar 75 (Eng)

2.E PITUITARY GLAND

[THE FUNCTIONAL STATE OF THE SYMPATHETIC-ADRENAL AND PITUITARY-ADRENOCORTICAL SYSTEMS DURING CHRONIC NEURO-EMOTIONAL STRESS] Belova TA, Vasiliev VN *Probl Endokrinol (Mosk)* 21: 27-32, Mar-Apr 75 (Rus)

PLASMA PROTEIN BINDING OF EPINEPHRINE. Russell JC, Doty DM *Physiol Chem Phys* 5: 75-86, 1973 (Eng)

A QUANTITATIVE APPROACH TO THE COMPARISON OF BIOMOLECULAR TOPOGRAPHIES. Sundaram K, Mahajan S, Mishra RK *Physiol Chem Phys* 6: 469-78, 1974 (Eng)

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS. Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG *Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

INDOMETHACIN AND THE ROLE OF PROSTAGLANDINS IN ADIPOSE TISSUE. Fredholm BB, Hedqvist P *Biochem Pharmacol* 24: 61-6, 1 Jan 75 (Eng)

2.B.4 ADRENALECTOMY

BIOACTIVE AND IMMUNOACTIVE ACTH IN THE RAT PITUITARY: INFLUENCE OF STRESS AND ADRENALECTOMY. Moriarty CM, Moriarty GC *Endocrinology* 96: 1419-25, Jun 75 (Eng)

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

2.B.5 ADRENAL DISORDERS

THE DENTAL MANAGEMENT OF PATIENTS WITH MEDICAL PROBLEMS. Cohen L *NY State Dent J* 41: 470-5, Oct 75 (Eng)

[DIABETES MELLITUS AND ADDISON'S DISEASE] Boda Z, Orosz L, Misz M, Szabo G, Gergely P, Kulesar A *Orc Heil* 116: 2249-50, 21 Sep 75 (Hun)

FACTORS INFLUENCING THE CIRCADIAN PERIODICITY OF PLASMA CORTICOSTEROID LEVELS. Krieger DT *Chronobiologia* 1: 195-216, Apr-Jun 74 (Eng) [100]

CLINICAL TESTING OF THE HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL SYSTEM IN STATES OF HYPO- AND HYPERCORTISOLISM. Gwinup G, Johnson B *Metabolism* 24: 777-91, Jun 75 (Eng) [87]

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)

A CASE OF ACUTE ADRENOCORTICAL FAILURE ON THE SECOND DAY FOLLOWING MITRAL COMMISSUROTOMY. Hol-drowicz M, Szymanska M *Anaesth Resusc Intensiv Ther* 2: 373-7, Oct-Dec 74 (Eng)

2.C THYROID GLAND

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellnerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPANOLOL. Marshall NJ, Von Borcke S, Malan PG *Endocrinology* 96: 1513-9, Jun 75 (Eng)

STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID. Marshall NJ, von Borcke S, Malan PG *Endocrinology* 96: 1520-4, Jun 75 (Eng)

THYROID-STIMULATING HORMONE AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN THE REGULATION OF THYROID GLAND FUNCTION. Field JB *Metabolism* 24: 381-93, Mar 75 (Eng) [63]

METHODS FOR ASSESSING HORMONE (TSH) EFFECTS ON GLUCOSE OXIDATION AND PHOSPHOLIPID SYNTHESIS. Field JB *Methods Enzymol* 37 pt b: 262-8, 1975 (Eng)

EFFECT OF THYROIDECTOMY ON THE IN VITRO UTILIZATION OF GLUCOSE BY HYPOPHYSIS AND HYPOTHALAMUS IN THE RAT. Castro M, Garcia MD, Herrera E *Steroids Lipids Res* 5: 276-81, 1974 (Eng)

RELATIONSHIP BETWEEN THE THYROID PARAFOLLICULAR CELLS AND PITUITARY GLAND. Kameda Y *Arch Histol Jpn* 37: 225-44, Nov 74 (Eng)

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL *J Appl Physiol* 38: 236-40, Feb 75 (Eng)

2.C.1 THYROID HORMONES

STATISTICS AND MEDICAL EXPERIMENTATION. Meier P *Biometrics* 31: 511-29, Jun 75 (Eng)

THE METABOLIC SPECTRUM OF HALOFENATE. Ryan JR *Int J Clin Pharmacol Biopharm* 12: 239-43, Jul 75 (Eng)

[DYSLIPIDEMIAS AND HORMONES] Orlandi F, Serra D *Minerva Med* 66: 3381-7, 3 Oct 75 (Ita)

METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]

REGULATION OF THYROID ORNITHINE ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN. I. THE RAT. Richman R, Park S, Akhtar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)

THE EFFECT OF FOOD DEPRIVATION OF THE PERIPHERAL METABOLISM OF THYROXINE IN RATS. Ingbar DH, Galton VA *Endocrinology* 96: 1525-32, Jun 75 (Eng)

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

METHODS FOR ASSESSING IMMUNOLOGIC AND BIOLOGIC PROPERTIES OF IODINATED PEPTIDE HORMONES. Roth J *Methods Enzymol* 37 pt b: 223-33, 1975 (Eng)

IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOPHYSIOTROPIC SUBSTANCES. Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)

[VARIOUS TYPES OF ANEMIAS IN THYROID INSUFFICIENCY] Guillausseau PJ, Lainece J, Aubert P *Nouv Presse Med* 4: 181-4, 18 Jun 75 (Fre)

EFFECTS OF THYROID HORMONE ADMINISTRATION ON SKELETAL MUSCLE MITOCHONDRIA. Winder WW, Baldwin KM, Terjung RL, Holloszy JO *Am J Physiol* 228: 1341-5, May 75 (Eng)

EFFECTS OF L-THYROXINE ON THE INTERMEDIARY METABOLISM OF THE SPOTTED MUNIA, LONCHURA PUNCTULATA. Thapliyal JP, Garg RK, Murty GS, Gupta SC *Gen Comp Endocrinol* 25: 31-5, Jan 75 (Eng)

2.C.2 THYROID ANTAGONISTS

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

2.C.3 THYROID DISORDERS

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannas E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

VULNERABILITY OF CELL-SURFACE RECEPTORS TO AUTOIMMUNE REACTIONS. Carnegie PR, Mackay IR *Lancet* 2: 684-7, 11 Oct 75 (Eng)

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

[VARIOUS TYPES OF ANEMIAS IN THYROID INSUFFICIENCY] Guillausseau PJ, Lainece J, Aubert P *Nouv Presse Med* 4: 181-4, 18 Jun 75 (Fre)

2.D PARATHYROID GLANDS

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

CELLULAR CONTROL OF CALCIUM MOVEMENTS IN BONE. INTERRELATIONSHIPS OF THE BONE MEMBRANE, PARATHYROID HORMONE AND ALKALINE PHOSPHATASE. Ramp WK *Clin Orthop* 311: 22, Jan-Feb 75 (Eng)

2.E PITUITARY GLAND

STIMULATION OF CYCLIC AMP FORMATION IN THE ANTERIOR PITUITARY BY 11-DEOXYPROSTAGLANDINS AND THEIR ANALOGUES. Lippmann W *Pharmacol Res Commun* 6: 595-601, Dec 74 (Eng)

2.E.1 PITUITARY HORMONES, ANTERIOR

2.E.1.1 CORTICOTROPIN

[DYSLIPIDEMIAS AND HORMONES] Orlandi F, Serra D *Minerva Med* 66: 3381-7, 3 Oct 75 (Ita)

[MEMBRANE-BOUND HORMONE RECEPTORS, PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS] Chevillotte E, Devynck MA, Meyer P, Rouzaire-Dubois B *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]

2.E PITUITARY GLAND

- [MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)
- METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]
- FACTORS INFLUENCING THE CIRCADIAN PERIODICITY OF PLASMA CORTICOSTEROID LEVELS. Krieger DT *Chronobiologia* 1: 195-216, Apr-Jun 74 (Eng) [100]
- LIPOLYSIS AND CYCLIC-3, 5-AMP CONTENT IN RAT ADIPOSE TISSUE AT DIFFERENT AGE. Macho L, Kolena J *Endocrinol Exp (Bratisl)* 9: 93-9, Jun 75 (Eng)
- BIOACTIVE AND IMMUNOACTIVE ACTH IN THE RAT PITUITARY: INFLUENCE OF STRESS AND ADENALECTOMY. Moriarty CM, Moriarty GC *Endocrinology* 96: 1419-25, Jun 75 (Eng)
- THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)
- ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY. Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)
- EFFECT OF DEXAMETHASONE ON THE SECRETION OF THYROTROPIN IN THE RAT: DOSE AND TIME RELATIONS. Ranta T *Endocrinology* 96: 1566-70, Jun 75 (Eng)
- INHIBITORY EFFECT OF OUABAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)
- [PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOPHYSIS--ADRENAL CORTISOL SYSTEM] Shalagina VG, Filaretov AA *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)
- TUMOURS AND HORMONAL CHANGES PRODUCED IN RATS BY SUBCUTANEOUS INJECTIONS OF LINOETIC ACID HYDROPEROXIDE. Cutler MG, Schneider R *Food Cosmet Toxicol* 12: 451-9, Aug 74 (Eng)
- BIPHASIC EFFECT OF THE ALPHA-ADRENOLYTIC PHENTOLAMINE ON HORMONE-STIMULATED FORMATION OF CYCLIC ADENOSINE-3,5-MONOPHOSPHATE IN ISOLATED FAT CELLS OF RATS. Stock K, Thomas T *Metabolism* 24: 277-86, Mar 75 (Eng)
- CLINICAL TESTING OF THE HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL SYSTEM IN STATES OF HYPO- AND HYPERCORTISOLISM. Gwinup G, Johnson B *Metabolism* 24: 777-91, Jun 75 (Eng) [87]
- GENERAL CONSIDERATIONS FOR RADIOIMMUNOASSAY OF PEPTIDE HORMONES. Orth DN *Methods Enzymol* 37 pt B: 22-38, 1975 (Eng)
- A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)
- POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)
- ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)
- [RELATION BETWEEN ENDOCRINOLOGY AND PSYCHIATRY. SOME RECENT DEVELOPMENTS] Bursztajn C *Nouv Presse Med* 4: 493-4, 496-9, 15 Feb 75 (Fre)
- [THE EFFECT OF INCREASED ADRENOCORTICAL SECRETION ON BLOOD GLUCOSE LEVELS IN PIGLETS] Raszyk J *Vet Med (Praha)* 19: 60-7, Oct 74 (Cze)
- ### 2.E.1.2 SOMATOTROPIN
- IN VITRO LIPOLYTIC EFFECT OF BOVINE PITUITARY DIABETOGENIC PROTEIN. Tutwiler GF *Biochim Biophys Acta* 404: 18-29, 8 Sep 75 (Eng)
- PLASMA GLUCAGON RESPONSE TO ARGinine INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsberg Z, Laron Z, Doron M, Koret R, Belinski Y, Weissmann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)
- [EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)
- STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)
- METABOLIC STUDIES IN THE PHELOEPHRETTIC RAT. Davidson MB *Diabetes* 24: 881-91, Oct 75 (Eng)
- THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusions therapie* 1: 483-9, Aug 74 (Eng)
- L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE. Pinter EJ, Tolis G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)
- SERUM GROWTH HORMONE, SERUM IMMUNOREACTIVE INSULIN AND BLOOD GLUCOSE RESPONSE TO ORAL AND INTRAVENOUS DIAZEPAM IN MAN. Syvalahti EK, Kanto JH *Int J Clin Pharmacol Biopharm* 12: 74-82, Jul 75 (Eng)
- RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyte KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)
- A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)
- INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paeppe M, Marcus S, Peeters G *J Endocrinol* 66: 213-24, Aug 75 (Eng)
- PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)
- ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)
- [CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Rus) [112]
- [RECENT ACQUISITIONS IN THE FIELD OF ANTI-DIABETIC TREATMENT] Hscine M, Baquet R *Maroc Med* 55: 289-92, Jun 75 (Fre)
- [CARBOHYDRATES FOR THE INFLUENCING OF EFFICIENCY IN SPORT MEDICINE] Keul L *Nutr Metab* 18 suppl 1: 157-70, 1975 (Ger)
- [DISORDERS OF CARBOHYDRATE METABOLISM IN PATIENTS WITH RENAL FAILURE] Rutkowski B, Kicinska M *Pol Tyg Lek* 30: 1587-90, 22 Sep 75 (Pol) [37]
- [INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerrato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Esp* 138: 107-11, 31 Jul 75 (Spa)
- [EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)
- ACUTE EFFECTS OF EXOGENOUS GROWTH HORMONE IN MAN: TIME- AND DOSE-BOUND MODIFICATION OF GLUCOSE TOLERANCE AND GLUCOSE-INDUCED INSULIN RELEASE. Adamson U, Cerasi E *Acta Endocrinol (Kbh)* 80: 247-61, Oct 75 (Eng)
- MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiomello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)
- GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Delcon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)
- THE EFFECT OF GROWTH HORMONE ON CALCIUM METABOLISM IN THE SHEEP. Braithwaite GD *Br J Nutr* 33: 309-14, May 75 (Eng)
- [THE EFFECT OF PARTIAL HEPATECTOMY ON THE QUANTITY OF SOMATOTROPES IN RAT ADENOHYPOPHYSIS] Sidorova VF *Bull Eksp Biol Med* 79: 97-100, Mar 75 (Rus)
- CHARACTERISTICS OF ACTION OF PROSTAGLANDINS ON CYCLIC AMP ACCUMULATION IN RAT ANTERIOR PITUITARY GLAND. Borgeat P, Lubric F, Garneau P *Can J Biochem* 53: 455-60, Apr 75 (Eng)
- EDITORIAL: HUMAN GROWTH HORMONE. Hayles AB *Can Med Assoc J* 112: 1282, 7 Jun 75 (Eng)
- ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY. Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)
- TUMOURS AND HORMONAL CHANGES PRODUCED IN RATS BY SUBCUTANEOUS

2.E PITUITARY GLAND

- INJECTIONS OF LINOLETIC ACID HYDROPEROXIDE.** Cutler MG, Schneider R *Food Cosmet Toxicol* 12: 451-9, Aug 74 (Eng)
- RELEASE OF GROWTH HORMONE FROM OX PITUITARY SLICES AFTER PRONASE TREATMENT.** Schofield JG, Orci L *J Cell Biol* 65: 223-7, Apr 75 (Eng)
- STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS.** Chiodini PG, Liuzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)
- THE EFFECT OF ACUTE HYPERCALCEMIA ON GROWTH HORMONE RELEASE IN MAN.** Ajlouni K, Hagen TC *J Clin Endocrinol Metab* 40: 780-2, May 75 (Eng)
- PLASMA GROWTH HORMONE AND SLOW WAVE SLEEP INCREASE AFTER INTERRUPTION OF SHEEP.** Beck U, Brezinova V, Hunter WM, Oswald J *J Clin Endocrinol Metab* 40: 812-5, May 75 (Eng)
- CHARACTERIZATION OF HUMAN GROWTH HORMONE PREPARATIONS USED FOR THE TREATMENT OF PITUITARY DWARFISM: A COMPARISON OF CONCURRENTLY USED BATCHES.** Holmstrom B, Fohlenhag K *J Clin Endocrinol Metab* 40: 856-62, May 75 (Eng)
- TREATMENT OF ACROMEGALY WITH BROMOCRYPTINE.** Summers VK, Hipkin LJ, Diver MH, Davis JC *J Clin Endocrinol Metab* 40: 904-6, May 75 (Eng)
- EDITORIAL: SLEEP.** Anonymous *Lancet* 1: 963, 26 Apr 75 (Eng)
- METHODS FOR ASSESSING IMMUNOLOGIC AND BIOLOGIC PROPERTIES OF IODINATED PEPTIDE HORMONES.** Roth J *Methods Enzymol* 37 pt b: 223-33, 1975 (Eng)
- PURIFICATION OF ANTERIOR PITUITARY HORMONES (OVINE, BOVINE, RAT, RABBIT).** Reichert LE Jr *Methods Enzymol* 37 pt b: 360-80, 1975 (Eng)
- IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOPHYSIOTROPIC SUBSTANCES.** Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)
- PROTEIN HORMONES IN GYNECOLOGY: BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS.** Strickler RC *Obstet Gynecol Surv* 30: 289-303, May 75 (Eng) [182]
- [RELATION BETWEEN ENDOCRINOLOGY AND PSYCHIATRY. SOME RECENT DEVELOPMENTS]** Bursztejn C *Nouv Presse Med* 4: 493-4, 496-9, 15 Feb 75 (Fre)
- THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475).** Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)
- SLEEP-RELATED GROWTH HORMONE SECRETION AND MORNING NAPS.** Othmer E, Mendelson WB, Levine WR, Malarkey WB, Daughaday WH *Steroids Lipids Res* 5: 380-6, 1974 (Eng)
- INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN.** Birkhauser M, Gaillard R, Riandel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)
- THE CHEMISTRY OF HUMAN PITUITARY GROWTH HORMONE.** Bewley TA, Li CH *Adv Enzymol* 42: 73-166, 1975 (Eng) [169]
- ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES.** Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]
- HUMAN PITUITARY GROWTH HORMONE: IMMUNOCHEMICAL INVESTIGATIONS OF BIOLOGICALLY ACTIVE FRAGMENTS.** Clarke WC, Hayashida T, Li CH *Arch Biochem Biophys* 164: 571-4, Oct 74 (Eng)
- RELATIONSHIP BETWEEN THE THYROID PARAFOLLCULAR CELLS AND PITUITARY GLAND.** Kameda Y *Arch Histol Jpn* 37: 225-44, Nov 74 (Eng)
- CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, ONCORHYNCHUS NERKA.** Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol [A]* 47: 821-8, 1 Mar 74 (Eng)
- SOMATOSTATIN ANALOGS. RELATIVE IMPORTANCE OF THE DISULFIDE BRIDGE AND OF THE ALA-GLY SIDE CHAIN FOR BIOLOGICAL ACTIVITY.** Rivier J, Brazeau P, Vale W, Guillemin R *J Med Chem* 18: 123-6, Feb 75 (Eng)
- 2.E.1.3 THYROTROPIN**
- [EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS]** Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)
- REGULATION OF THYROID ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN. I. THE RAT.** Richman R, Park S, Akbar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)
- STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPANOLOL.** Marshall NJ, Von Borcke S, Malan PG *Endocrinology* 96: 1513-9, Jun 75 (Eng)
- ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY.** Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)
- EFFECT OF DEXAMETHASONE ON THE SECRETION OF THYROTROPIN IN THE RAT: DOSE AND TIME RELATIONS.** Ranta T *Endocrinology* 96: 1566-70, Jun 75 (Eng)
- TUMOURS AND HORMONAL CHANGES PRODUCED IN RATS BY SUBCUTANEOUS INJECTIONS OF LINOLETIC ACID HYDROPEROXIDE.** Cutler MG, Schneider R *Food Cosmet Toxicol* 12: 451-9, Aug 74 (Eng)
- CHARACTERIZATION OF HUMAN GROWTH HORMONE PREPARATIONS USED FOR THE TREATMENT OF PITUITARY DWARFISM: A COMPARISON OF CONCURRENTLY USED BATCHES.** Holmstrom B, Fohlenhag K *J Clin Endocrinol Metab* 40: 856-62, May 75 (Eng)
- THYROID-STIMULATING HORMONE AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN THE REGULATION OF THYROID GLAND FUNCTION.** Field JB *Metabolism* 24: 381-93, Mar 75 (Eng) [63]
- METHODS FOR ASSESSING HORMONE (TSH) EFFECTS ON GLUCOSE OXIDATION AND PHOSPHOLIPID SYNTHESIS.** Field JB *Methods Enzymol* 37 pt b: 262-8, 1975 (Eng)
- PURIFICATION OF ANTERIOR PITUITARY HORMONES (OVINE, BOVINE, RAT, RABBIT).** Reichert LE Jr *Methods Enzymol* 37 pt b: 360-80, 1975 (Eng)
- IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOPHYSIOTROPIC SUBSTANCES.** Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)
- THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475).** Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)
- EFFECT OF THYROIDECTOMY ON THE IN VITRO UTILIZATION OF GLUCOSE BY HYPOPHYSIS AND HYPOTHALAMUS IN THE RAT.** Castro M, Garcia MD, Herrera E *Steroids Lipids Res* 5: 276-81, 1974 (Eng)
- 2.E.1.4 GONADOTROPINS, PITUITARY**
- L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE.** Pinter EJ, Tolls G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)
- RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY.** Hoyte KM, Martin J *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)
- [MEMBRANE-BOUND HORMONE RECEPTORS. PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS]** Chevillotte E, Devynck MA, Meyers P, Rouzaire-Dubois B *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]
- [MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION]** Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)
- [ACTION OF GONADOTROPINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS]** Cattaneo de Peralta Ramos MO, Irujo A, Foglia VG *Rev Soc Argent Biol* 48: 49-48, 60, Apr 72-Nov 73 (Spa)
- PITUITARY FUNCTION IN CHRONIC ALCOHOLISM.** Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)
- CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN.** Topper YJ, Vonderhaar BK, Wilchek M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)
- ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY.** Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)
- CHARACTERIZATION OF HUMAN GROWTH HORMONE PREPARATIONS USED FOR THE TREATMENT OF PITUITARY DWARFISM: A COMPARISON OF CONCURRENTLY USED BATCHES.** Holmstrom B, Fohlenhag K *J Clin Endocrinol Metab* 40: 856-62, May 75 (Eng)
- METHODS FOR ASSESSING IMMUNOLOGIC AND BIOLOGIC PROPERTIES OF IODINATED PEPTIDE HORMONES.** Roth J *Methods Enzymol* 37 pt b: 223-33, 1975 (Eng)
- PURIFICATION OF ANTERIOR PITUITARY HORMONES (OVINE, BOVINE, RAT, RABBIT).** Reichert LE Jr *Methods Enzymol* 37 pt b: 360-80, 1975 (Eng)

2.F GONADS

IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOPHYSIOTROPIC SUBSTANCES. Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)

PROTEIN HORMONES IN GYNECOLOGY: BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS. Strickler RC *Obstet Gynecol Surv* 30: 289-303, May 75 (Eng) [182]

[RELATION BETWEEN ENDOCRINOLOGY AND PSYCHIATRY. SOME RECENT DEVELOPMENTS] Bursztein C *Nouv Presse Med* 4: 493-4, 496-9, 15 Feb 75 (Fre)

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

THE CHEMISTRY OF HUMAN PITUITARY GROWTH HORMONE. Bewley TA, Li CH *Adv Enzymol* 42: 73-166, 1975 (Eng) [169]

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

EFFECT OF PROLACTIN ON LIPOPROTEIN LIPASE IN CROP SAC AND ADIPOSE TISSUE OF PIGEONS. Garrison MM, Scow RO *Am J Physiol* 228: 1542-4, May 75 (Eng)

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANE SALMON, ONCORHYNCHUS NERKA. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol* [A] 47: 821-8, 1 Mar 74 (Eng)

2.E.2 PITUITARY HORMONES, POSTERIOR

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

INITIATION OF CELL PROLIFERATION IN CULTURED MOUSE FIBROBLASTS BY PROSTAGLANDIN F₂ALPHA. De Asua LJ, Clingan D, Rudland PS *Proc Natl Acad Sci USA* 72: 2724-8, Jul 75 (Eng)

METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)

2.E.3 PITUITARY HORMONES, INTERMEDIATE

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)

[RELATION BETWEEN ENDOCRINOLOGY AND PSYCHIATRY. SOME RECENT DEVELOPMENTS] Bursztein C *Nouv Presse Med* 4: 493-4, 496-9, 15 Feb 75 (Fre)

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, COR-

TICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

2.E.4 PITUITARY HORMONE RELEASING FACTORS

RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyte KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOTHYROID-ADRENAL CORTEX SYSTEM] Shalupina VG, Filaretov AA *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOPHYSIOTROPIC SUBSTANCES. Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)

PROTEIN HORMONES IN GYNECOLOGY: BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS. Strickler RC *Obstet Gynecol Surv* 30: 289-303, May 75 (Eng) [182]

[RELATION BETWEEN ENDOCRINOLOGY AND PSYCHIATRY. SOME RECENT DEVELOPMENTS] Bursztein C *Nouv Presse Med* 4: 493-4, 496-9, 15 Feb 75 (Fre)

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

2.E.5 HYPOPHYSECTOMY

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

INHIBITORY EFFECT OF OUABAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)

RELATIONSHIP BETWEEN THE THYROID PARAFOLLICULAR CELLS AND PITUITARY GLAND. Kameda Y *Arch Histol Jpn* 37: 225-44, Nov 74 (Eng)

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSOPANCREATECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangnekar PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

2.E.6 PITUITARY DISORDERS

L-DOPA, GROWTH HORMONE AND ADIPOKININ IN THE LEAN AND THE OBESE. Pinter EJ, Tolls G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)

RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyte KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)

ABSENCE OF FACILITATED GLUCOSE DISPOSAL (STAUB-TRAUGOTT EFFECT) IN

SUBJECTS WITH HYPOPITUITARISM. Abirica C, Graham LA, Lawrence AM *Metabolism* 24: 1145-55, Oct 75 (Eng)

EDITORIAL: HUMAN GROWTH HORMONE. Hayles AB *Can Med Assoc J* 112: 1282, 7 Jun 75 (Eng)

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Liuzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

CHARACTERIZATION OF HUMAN GROWTH HORMONE PREPARATIONS USED FOR THE TREATMENT OF PITUITARY DWARFISM: A COMPARISON OF CONCURRENTLY USED BATCHES. Holmstrom B, Fohlenhag K *J Clin Endocrinol Metab* 40: 856-62, May 75 (Eng)

TREATMENT OF ACROMEGALY WITH BROMOCRYPTINE. Summers VK, Hipkin LJ, Diver MH, Davis JC *J Clin Endocrinol Metab* 40: 904-6, May 75 (Eng)

STUDIES IN CALCIUM METABOLISM IN INFANTS WITH INTRAUTERINE GROWTH RETARDATION. Tsang RC, Gigger M, Oh W, Brown DR *J Pediatr* 86: 936-41, Jun 75 (Eng)

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

2.F GONADS

PROTEIN HORMONES IN GYNECOLOGY: BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS. Strickler RC *Obstet Gynecol Surv* 30: 289-303, May 75 (Eng) [182]

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

2.F.1 OVARY

[DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich IuV, Minkovich BM *Arkhl Patol* 37: 3-13, 1975 (Rus)

AN EVALUATION OF TECHNIQUES FOR LABELLING THE SURFACE PROTEINS OF CULTURED MAMMALIAN CELLS. Juliano RL, Behar-Bannelier M *Biochim Biophys Acta* 375: 249-67, 28 Jan 75 (Eng)

CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrne JJ, White RJ *Comp Biochem Physiol* [A] 50: 709-15, 1 Apr 75 (Eng)

2.G OTHER ENDOCRINES AND RELATED TERMS

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3:5 MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

2.F.2 TESTIS

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geisthovel W, Niedgerker U, Morgner KD, Willms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irusta O, Foglia VG *Rev Soc Argent Biol* 48: 49-48-60, Apr 72-Nov 73 (Spa)

2.F.3 SEX HORMONES

2.F.3.1 ANDROGENS

[KALLMANS SYNDROME--HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodecim* 91: 649-56, 1975 (Fin)

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geisthovel W, Niedgerker U, Morgner KD, Willms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

SEXUALITY IN LATER LIFE. Yeaworth RC, Friedman JS *Nurs Clin North Am* 10: 565-86, Sep 75 (Eng)

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irusta O, Foglia VG *Rev Soc Argent Biol* 48: 49-48-60, Apr 72-Nov 73 (Spa)

METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]

[RESULTS OF THE TREATMENT OF PATIENTS WITH PEMPHIGUS] Balavichene G *Vestn Dermatol Venerol* 66-9, Aug 75 (Rus)

PHENFORMIN AND ETHYLESTRENOL IN RECURRENT VENOUS THROMBOSIS. Nilsson IM, Hedner U, Isacson S *Acta Med Scand* 198: 107-13, Jul-Aug 75 (Eng)

PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)

ENDOPLASMIC MEMBRANE AS A SOURCE AND A TARGET FOR CHEMICALLY REACTIVE METABOLIC INTERMEDIATES. Williams DJ, Parry G *Biochem Soc Trans* 3: 69-70, 1975 (Eng)

THE USE OF INHIBITORS IN THE STUDY OF HORMONE MECHANISMS IN CELL CULTURE. Scott WA, Tomkins GM *Methods Enzymol* 40: 273-93, 1975 (Eng)

2.F.3.2 ESTROGENS

UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybulski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsumura T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

SEXUALITY IN LATER LIFE. Yeaworth RC, Friedman JS *Nurs Clin North Am* 10: 565-86, Sep 75 (Eng)

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Wetch A *South Med J* 68: 1211-8, Oct 75 (Eng)

PHENFORMIN AND ETHYLESTRENOL IN RECURRENT VENOUS THROMBOSIS. Nilsson IM, Hedner U, Isacson S *Acta Med Scand* 198: 107-13, Jul-Aug 75 (Eng)

THE EFFECT OF GROWTH HORMONE ON CALCIUM METABOLISM IN THE SHEEP. Braithwaite GD *Br J Nutr* 33: 309-14, May 75 (Eng)

ENDOPLASMIC MEMBRANE AS A SOURCE AND A TARGET FOR CHEMICALLY REACTIVE METABOLIC INTERMEDIATES. Williams DJ, Parry G *Biochem Soc Trans* 3: 69-70, 1975 (Eng)

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS. Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuehl FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

2.F.3.3 CORPUS LUTEUM AND PROGESTATIONAL HORMONES

2.F.3.3.1 CORPUS LUTEUM HORMONES

2.F.3.3.2 PROGESTATIONAL HORMONES

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL)]

Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

SEXUALITY IN LATER LIFE. Yeaworth RC, Friedman JS *Nurs Clin North Am* 10: 565-86, Sep 75 (Eng)

THE EFFECT OF PROGESTERONE ON MONOVALENT CATION TRANSPORT INTO THE MITOCHONDRION. Swierczynski J, Aleksandrowicz Z, Zelenowski L *Physiol Chem Phys* 5: 37-42, 1973 (Eng)

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spellacy WN, Conly PW, Cleveland WW, Buhl WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

2.F.3.4 CONTRACEPTIVES, ORAL

LETTER: PYRIDOXINE AND OESTROGEN-INDUCED GLUCOSE INTOLERANCE. Cornish EJ, Tesoriero W *Br Med J* 3: 649-50, 13 Sep 75 (Eng)

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

EFFECTS OF ORAL CONTRACEPTIVE AGENTS ON CARBOHYDRATE METABOLISM. Kalkhoff RK *J Steroid Biochem* 6: 949-56, Jun 75 (Eng) [88]

ALTERATIONS OF LIPID METABOLISM BY CONTRACEPTIVE STEROIDS. Beck P *J Steroid Biochem* 6: 957-9, Jun 75 (Eng) [58]

2.F.4 GONADAL DISORDERS

[KALLMANS SYNDROME--HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodecim* 91: 649-56, 1975 (Fin)

THE PATHOLOGY OF INFERTILITY. Craig JM *Pathol Annu* 10: 299-328, 1975 (Eng) [72]

2.G OTHER ENDOCRINES AND RELATED TERMS

2.G.1 ENDOCRINE GLANDS

THE PATHOLOGY OF INFERTILITY. Craig JM *Pathol Annu* 10: 299-328, 1975 (Eng) [72]

METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]

[CLINICAL CORRELATION BETWEEN THE ENDOCRINE SYSTEM AND THE CARDIOVASCULAR SYSTEM. BETA-ADRENERGIC BLOCK IN ACUTE MYOCARDIAL INFARCT] Palma G, Nubile G *Boll Soc Ital Biol Sper* 50: 1433-9, 30 Sep 74 (Ita)

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2.G OTHER ENDOCRINES AND RELATED TERMS

[SYMPOSIUM: MONKEYS AS HUMAN MODELS. 1. ENDOCRINE AND METABOLIC STUDIES.] Osawa N *Exp Anim (Tokyo)* 23: 271-2, Oct 74 (Jpn)

[RELATION BETWEEN ENDOCRINOLOGY AND PSYCHIATRY. SOME RECENT DEVELOPMENTS] Bursztajn C *Nouv Presse Med* 4: 493-4, 496-9, 15 Feb 75 (Fre)

2.G.2 HORMONES

LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WP, Martin GM *Brain Res* 96: 156-60, 10 Oct 75 (Eng)

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

EFFECT OF INSULIN ON THE GLUCOSE UPTAKE OF PROTOZOA. Csaba G, Lantos T *Experientia* 31: 1097-8, 15 SEP 75 (Eng)

DETERIORATION OF THE MICROCIRCULATION IN DIABETES. McMillan DE *Diabetes* 24: 944-57, Oct 75 (Eng) [168]

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

[DYSLIPIDEMIAS AND HORMONES] Orlandi F, Serra D *Minerva Med* 66: 3381-7, 3 Oct 75 (Ita)

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

ESTIMATION OF HORMONE RECEPTOR AFFINITY BY COMPETITIVE DISPLACEMENT OF LABELED LIGAND: EFFECT OF CONCENTRATION OF RECEPTOR AND OF LABELED LIGAND. Jacobs S, Chang K-J, Cuatrecasas P *Biochem Biophys Res Commun* 66: 687-92, 16 Sep 75 (Eng)

[CLINICAL CORRELATION BETWEEN THE ENDOCRINE SYSTEM AND THE CARDIOVASCULAR SYSTEM. BETA-ADRENERGIC BLOCK IN ACUTE MYOCARDIAL INFARCT] Palma G, Nubile G *Boll Soc Ital Biol Sper* 50: 1433-9, 30 Sep 74 (Ita)

TUMOURS AND HORMONAL CHANGES PRODUCED IN RATS BY SUBCUTANEOUS INJECTIONS OF LINOLEIC ACID HYDROPEROXIDE. Cutler MG, Schneider R *Food Cosmet Toxicol* 12: 451-9, Aug 74 (Eng)

GENERAL CONSIDERATIONS FOR RADIOIMMUNOASSAY OF PEPTIDE HORMONES. Orth DN *Methods Enzymol* 37 pt b: 22-38, 1975 (Eng)

METHODS FOR ASSESSING IMMUNOLOGIC AND BIOLOGIC PROPERTIES OF IODINATED PEPTIDE HORMONES. Roth J *Methods Enzymol* 37 pt b: 223-33, 1975 (Eng)

TRITIUM LABELING OF AMINO ACIDS IN POLYPEPTIDE HORMONES. Hembree WC, Wolf AP, Ehrenkauer RE, Lieberman S *Methods Enzymol* 37 pt b: 313-21, 1975 (Eng)

THE USE OF ENZYMOLOGY IN PHARMACOLOGICAL AND TOXICOLOGICAL IN-

VESTIGATIONS*. Smith WG *Prog Med Chem* 10: 11-84, 1974 (Eng) [654]

CELL MEMBRANES AND DISEASE. GENES, VIRUSES, HORMONES AND THE IMMUNE RESPONSE—AN INTRODUCTION. Dmochowski L, Bowen JM *Am J Clin Pathol* 63: 619-28, May 75 (Eng) [32]

THE USE OF INHIBITORS IN THE STUDY OF HORMONE MECHANISMS IN CELL CULTURE. Scott WA, Tomkins GM *Methods Enzymol* 40: 273-93, 1975 (Eng)

2.G.2.1 GASTROINTESTINAL HORMONES

PROCEEDINGS: DIURNAL RHYTHM OF GASTRIN AND GLUCAGON. Ellis BW, Russell RC, Bloom SR, Dudley HA *Br J Surg* 62: 664, Aug 75 (Eng)

EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG. Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)

ACTIONS OF GASTROINTESTINAL HORMONES AND RELATED PEPTIDES ON THE MOTOR FUNCTION OF THE BILIARY TRACT. Lin TM *Gastroenterology* 69: 1006-22, Oct 75 (Eng) [137]

[SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

PHARMACOLOGIC EFFECTS OF GASTROINTESTINAL HORMONES ON INTESTINAL OXYGEN CONSUMPTION AND BLOOD FLOW. Bowen JC, Pawlik W, Fang WF, Jacobson ED *Surgery* 78: 515-9, Oct 75 (Eng)

CHOLECYSTOKININ METABOLISM IN MAN AND DOGS. Thompson JC, Fender HR, Ramus NI, Villar HV, Rayford PL *Ann Surg* 182: 496-504, Oct 75 (Eng)

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

NEONATAL SECRETION OF SECRETIN. Rogers IM, Davidson DC, Lawrence J, Buchanan KD *Arch Dis Child* 50: 120-2, Feb 75 (Eng)

THE EFFECT OF ATROPINE AND VAGOTOMY ON THE SECRETION OF GASTRIC INTRINSIC FACTOR (IF) IN MAN. Vatn MH, Semb LS, Schrupf E *Scand J Gastroenterol* 10: 59-64, 1975 (Eng)

2.G.2.2 PROSTAGLANDINS

[MEMBRANE-BOUND HORMONE RECEPTORS. PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS] Chevillotte E, Devynck MA, Meyer P, Rouzaire-Dubois B *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]

CHARACTERISTICS OF ACTION OF PROSTAGLANDINS ON CYCLIC AMP ACCU-

MULATION IN RAT ANTERIOR PITUITARY GLAND. Borgeat P, Labrie F, Garneau P *Can J Biochem* 53: 455-60, Apr 75 (Eng)

THYROID-STIMULATING HORMONE AND CYCLIC ADENOSINE 3',5'-MONOPHOSPHATE IN THE REGULATION OF THYROID GLAND FUNCTION. Field JB *Metabolism* 24: 381-93, Mar 75 (Eng) [63]

IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOPHYSIOTROPIC SUBSTANCES. Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

STIMULATION OF CYCLIC AMP FORMATION IN THE ANTERIOR PITUITARY BY 11-DEOXYPROSTAGLANDINS AND THEIR ANALOGUES. Lippmann W *Pharmacol Res Commun* 6: 595-601, Dec 74 (Eng)

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS. Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG *Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicœur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

INDOMETHACIN AND THE ROLE OF PROSTAGLANDINS IN ADIPOSE TISSUE. Fredholm BB, Hedqvist P *Biochem Pharmacol* 24: 61-6, 1 Jan 75 (Eng)

2.G.2.3 HORMONES, ECTOPIC

2.G.2.4 PLACENTAL HORMONES

[KALLMANS SYNDROME—HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodecim* 91: 649-56, 1975 (Fin)

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geithovell W, Niedergerke U, Morgner KD, Wilms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

PROTEIN HORMONES IN GYNECOLOGY: BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS. Strickler RC *Obstet Gynecol Surv* 30: 289-303, May 75 (Eng) [182]

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spelacy WN, Conly PW, Cleveland WW, Bubi WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

2.G.2.5 RELAXIN

2.G.2.6 JUVENILE HORMONES

2.G.3 CHROMAFFIN SYSTEM

2.G.4 PINEAL BODY

2.G OTHER ENDOCRINES AND RELATED TERMS

THE REGIONAL DISTRIBUTION OF SOMATOSTATIN IN THE RAT BRAIN. Brownstein M, Arimura A, Sato H, Schally AV. *Karger JS Endocrinology* 96: 1456-61, Jun 75 (Eng)

2.G.5 PITUITARY-ADRENAL SYSTEM

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)

CLOBETASONE BUTYRATE, A NEW TOPICAL CORTICOSTEROID: CLINICAL ACTIVITY AND EFFECTS ON PITUITARY-ADRENAL AXIS FUNCTION AND MODEL OF EPIDERMAL ATROPHY. Munro DD, Wilson L *Br Med J* 3: 626-8, 13 Sep 75 (Eng)

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOPHYSIS-ADRENAL CORTEX SYSTEM] Shaliapina VG, Filaretov AA *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

[THE FUNCTIONAL STATE OF THE SYMPATHETIC-ADRENAL AND PITUITARY-ADRENOCORTICAL SYSTEMS DURING CHRONIC NEURO-EMOTIONAL STRESS] Belova TA, Vasilev VN *Probl Endokrinol (Mosk)* 21: 27-32, Mar-Apr 75 (Rus)

2.G.6 SECRETORY RATE

PROCEEDINGS: EFFECT OF THE HISTAMINE H2 RECEPTOR ANTAGONIST, CIMETIDINE, ON INSULIN-INDUCED GASTRIC SECRETION IN MAN. Carter DC, Logan R, Forrest JA, Ansell I, Heading RC *Br J Surg* 62: 664-5, Aug 75 (Eng)

THE INSULIN TEST: NEGATIVE AND POSITIVE TESTS VERSUS NUMERICAL VALUES. Emas S, Borg I *Scand J Gastroenterol* 10: 609-16, 1975 (Eng)

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Oikienitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Ettevent J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

SIGNIFICANCE OF GASTRIC SECRETORY CHANGES IN THE PATHOGENESIS OF STRESS ULCERS. Hase T, Anderson PR, Mehlman B *Am J Dig Dis* 20: 443-9, May 75 (Eng)

AN ASSESSMENT OF THE REPRODUCIBILITY AND SAFETY OF 2-DEOXY-D-GLUCOSE AS A GASTRIC ACID STIMULANT IN DUODENAL ULCER PATIENTS. Gough AL, Keddie NC *Gut* 16: 171-5, Mar 75 (Eng)

THE EFFECT OF ATROPINE AND VAGOTOMY ON THE SECRETION OF GASTRIC INTRINSIC FACTOR (IF) IN MAN. Vatn MH, Semb LS, Schrumpf E *Scand J Gastroenterol* 10: 59-64, 1975 (Eng)



Diabetes Literature—Keyword Index

ABDOMINAL OPERATION

[GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION. MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS (AUTHORS TRANSL.) Bittner R, Beger HG, Kraas E, Roscher R *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)

ABDOMINAL SURGERY EFFECT

EFFECTS OF ABDOMINAL SURGERY UNDER GENERAL ANAESTHESIA AND OF POSTOPERATIVE ANALGESIC THERAPY ON Splanchnic EXCHANGE OF SOME BLOOD BORNE ENERGY METABOLITES. Wiklund L, Jorfeldt L *Acta Anaesthesiol Scand [Suppl]* 41-58, 1975 (Eng)

ABDOMINAL WALL

[ADIPOSE TISSUE OF THE ABDOMINAL WALL IN MAN. HISTORY OF LITERATURE AND ELECTRON MICROSCOPIC STUDY CONCERNING THE MORPHOLOGICAL ADIPOSE TISSUE RESEARCH. II. OWN ELECTRON MICROSCOPIC STUDIES ON THE ABDOMINAL WALL ADIPOSE TISSUE IN MAN] Hegewald G, Barenwald G, Schwanengel H *Anat Anz* 136: 462-93, 1974 (Ger)

ABORTION

CLINICAL CONFERENCE: ABORTION AND STERILIZATION. Anonymous *J Med Ethics* 1: 45-8, Apr 75 (Eng)

14 C-ACETATE

EFFECT OF X-IRRADIATION OF THE BIOCHEMICAL MATURATION OF RAT CEREBELLUM: METABOLISM OF [14C]GLUCOSE AND [14C]ACETATE. Patel AJ, Balazs R *Radiat Res* 62: 456-69, Jun 75 (Eng)

ACETOACETATE

INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY-GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Ilic V *Biochem J* 150: 145-52, Aug 75 (Eng)

ACHILLEAN REFLEXOGRAM

[ACHILLEAN REFLEXOGRAM: ITS MEASUREMENT AND ITS CORRELATIONS WITH VARIOUS CLINICAL AND BIOLOGICAL FACTORS IN 2 WORKING MALE POPULATIONS] Kritsikis S, Ducimetiere P, Richard JL *Sem Hop Paris* 51: 2109-17, 10-20 Jul 75 (Fre)

ACID BASE

ACID-BASE AND METABOLIC DISTURBANCES IN FULMINANT HEPATIC FAILURE. Record CO, Iles RA, Cohen RD, Williams R *Gut* 16: 144-9, Feb 75 (Eng)

ACID, WEAK

DYNAMIC ROLE OF BUFFERS: FACILITATED TRANSPORT OF PROTONS, WEAK ACIDS AND BASES. Engasser JM, Horvath C *Physiol Chem Phys* 6: 541-3, 1974 (Eng)

ACIDEMIA, FREE FATTY

LETTER: EXCESSIVE FREE FATTY ACIDEMIA AND THE ENCEPHALOPATHY IN REYES SYNDROME. Brown RE *N Engl J Med* 292: 1297-8, 12 Jun 75 (Eng)

ACIDOSIS, LACTIC

[PHENFORMIN, KIDNEY INSUFFICIENCY AND LACTIC ACIDOSIS] Marowski B *Ther Ggw* 113: 1706-26, Oct 74 (Ger)

ACROMEGALIC PATIENT

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Liuzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

ACROMEGALY

RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyte KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)

TREATMENT OF ACROMEGALY WITH BROMOCRYPTINE. Summers VK, Hipkin LJ, Diver MH, Davis JC *J Clin Endocrinol Metab* 40: 904-6, May 75 (Eng)

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ACTIVITY

HUMAN ADIPOSE TISSUE LIPOPROTEIN LIPISE: COMPARISON OF ASSAY METHODS AND EXPRESSIONS OF ACTIVITY. Pukalisto OJ, Smith PH, Brunzell JD *Proc Soc Exp Biol Med* 148: 297-300, Jan 75 (Eng)

ELEVATION OF ARTERIAL PHOSPHORFUTOKINASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemplenyi T, Rosenstein AJ *Atherosclerosis* 21: 167-77, Mar-Apr 75 (Eng)

ACUTE ABDOMEN, DIABETIC

[LEUCOCYTOSES IN ACUTE DIABETIC ABDOMEN] Querol Prieto R *Rev Clin Exp* 138: 275-7, 15 Aug 75 (Spa)

ACYL INTERMEDIATE

ACYL INTERMEDIATES IN PENICILLOPEPSIN-CATALYSED REACTIONS AND A DISCUSSION OF THE MECHANISM OF ACTION OF PEPSINS. Takahashi M, Hofmann T *Biochem J* 147: 549-63, Jun 75 (Eng)

ADDISONS DISEASE

[DIABETES MELLITUS AND ADDISONS DISEASE] Boda Z, Orosz L, Misz M, Szabo G, Gergely P, Kulcsar A *Orv Hetil* 116: 2249-50, 21 Sep 75 (Hun)

ADENOHYPOPHYSIS, RAT

[THE EFFECT OF PARTIAL HEPATECTOMY ON THE QUANTITY OF SOMATOTROPES IN RAT ADENOHYPOPHYSIS] Sidorova VF *Biull Eksp Biol Med* 79: 97-100, Mar 75 (Rus)

ADENOMATOSIS, FAMILIAL ENDOCRINE

LETTER: NESIDIOBLASTOSIS IN FAMILIAL ENDOCRINE ADENOMATOSIS. Szalay GC *J Pediatr* 87: 498, Sep 75 (Eng)

ADENOMECTOMY, TRANSPHENOIDAL

RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyte KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)

ADENOSINE MONOPHOSPHATE

LIPOLYSIS AND CYCLIC-3, 5-AMP CONTENT IN RAT ADIPOSE TISSUE AT DIFFERENT AGE. Macho L, Kolena J *Endocrinol Exp (Bratisl)* 9: 93-9, Jun 75 (Eng)

ADENOSINE TRIPHOSPHATASE

GLUCAGON-INDUCED CHANGES IN THE ACTION POTENTIAL, CONTRACTION, AND NAA-K-ATPASE OF CARDIAC MUSCLE. Prasad K *Cardiovasc Res* 9: 355-65, May 75 (Eng)

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

THE EFFECTS OF PHOSPHATE AND ELECTRON TRANSPORT ON THE CARBONYL CYANIDE M-CHLOROPHENYL-HYDRAZONE-INDUCED ATPASE OF RAT-LIVER MITOCHONDRIA. Bertina RM, Slater EC *Biochim Biophys Acta* 376: 492-504, 20 Mar 75 (Eng)

ATPASE INHIBITOR FROM YEAST MITOCHONDRIA. PURIFICATION AND PROPERTIES. Satre M, de Jerphanion MB, Huet J, Vignais PV *Biochim Biophys Acta* 387: 241-55, 15 May 75 (Eng)

ADENOSINE TRIPHOSPHATE

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

ATP- AND PHOSPHATE-INDUCED CONFIGURATIONAL CHANGES OF SUBMITOCHONDRIAL PARTICLES. Lundberg P *Biochim Biophys Acta* 376: 458-69, 20 Mar 75 (Eng)

THE SELF-ASSOCIATION OF ATP: THERMODYNAMICS AND GEOMETRY. Heyn MP, Bretz R *Biophys Chem* 3: 35-45, Feb 75 (Eng)

Diabetes Literature—Keyword Index

ADENOSINE TRIPHOSPHATE EFFECT

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES; Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

ATP-SENSITIVE AND ATP-INSENSITIVE PHOSPHOFRUCTOKINASE IN *ESCHERICHIA COLI* K-12; Doelle HW *Eur J Biochem* 50: 335-42, 2 Jan 75 (Eng)

ADENOSINE TRIPHOSPHATE EFFECT

THE EFFECT OF ADENOSINE TRIPHOSPHATE ON THE TRICARBOXYLATE TRANSPORTING SYSTEM OF RAT LIVER MITOCHONDRIA; Robinson BH, Chocoma-Dhadli S, Halperin ML *J Biol Chem* 250: 3639-43, 25 May 75 (Eng)

ADENOSINE-3,5-CYCLOCYCLOMONOPHOSPHATE

METABOLIC RESPONSES OF PERFUSED RAT LIVERS TO ALPHA- AND BETA-ADRENERGIC AGONISTS, GLUCAGON AND CYCLIC AMP; Jakob A, Diem S *Biochim Biophys Acta* 404: 57-66, 8 Sep 75 (Eng)

EFFECT OF INSULIN ON METABOLISM OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE BY PLASMA CELL TUMOR (MPC-11); Nascem SM, Hollander VP *Endocr Res Commun* 2: 251-9, 1975 (Eng)

THE EFFECT OF FASTING ON TISSUE CYCLIC AMP AND PLASMA GLUCAGON IN THE OBESE HYPERGLYCEMIC MOUSE; Lavine RL, Voyles N, Perrino PV, Recant L *Endocrinology* 97: 615-20, Sep 75 (Eng)

EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN; Hamet P, Lowder SC, Hardman JG, Liddle GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

OBSERVATIONS ON THE BINDING OF ADENOSINE 3,5-MONOPHOSPHATE TO CELL MEMBRANE FRAGMENTS FROM OX CEREBRAL CORTEX; Weller M, Rodnight R *Biochim Biophys Acta* 389: 573-7, 21 May 75 (Eng)

CHARACTERISTICS OF ACTION OF PROSTAGLANDINS ON CYCLIC AMP ACCUMULATION IN RAT ANTERIOR PITUITARY GLAND; Borgeat P, Labrie F, Garneau P *Can J Biochem* 53: 455-60, Apr 75 (Eng)

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3,5-MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS; Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

EFFECT OF GLUCOSE AND ITS ANALOGUES ON THE ACCUMULATION AND RELEASE OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN A MEMBRANE FRACTION OF *ESCHERICHIA COLI*: RELATION TO BETA-GALACTOSIDASE SYNTHESIS; Seto H, Nagata Y, Maruo B *J Bacteriol* 122: 669-75, May 75 (Eng)

BIPHASIC EFFECT OF THE ALPHA-ADRENOLYTIC PHENTOLAMINE ON HORMONE-STIMULATED FORMATION OF CYCLIC ADENOSINE-3,5-MONOPHOSPHATE IN ISOLATED FAT CELLS OF RATS; Stock K, Thomas T *Metabolism* 24: 277-86, Mar 75 (Eng)

THE ROLE OF CYCLIC GMP IN THE REGULATION OF CYCLIC AMP HYDROLYSIS; Terasaki WL, Appleman MM *Metabolism* 24: 311-9, Mar 75 (Eng)

THYROID-STIMULATING HORMONE AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN THE REGULATION OF THYROID GLAND FUNCTION; Field JB *Metabolism* 24: 381-93, Mar 75 (Eng) [63]

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475); Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

STIMULATION OF CYCLIC AMP FORMATION IN THE ANTERIOR PITUITARY BY 11-DEOXYPROSTAGLANDINS AND THEIR ANALOGUES; Lippmann W *Pharmacol Res Commun* 6: 595-601, Dec 74 (Eng)

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS; Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuehl FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS; Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG *Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES; Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

FILAMENTOUS PROTEIN MODEL FOR CYCLIC AMP-MEDIATED CELL REGULATORY MECHANISMS; Olsen RW *J Theor Biol* 49: 263-87, Feb 75 (Eng) [141]

THE SECOND MESSENGER. PART I. CYCLIC AMP; Rapp S *Med Times* 102: 58-60, 65-7, Oct 74 (Eng)

ADENYL CYCLASE

STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID; Marshall NJ, von Borcke S, Malan PG *Endocrinology* 96: 1520-4, Jan 75 (Eng)

ADENYL CYCLASE ACTIVITY

STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPRANOLOL; Marshall NJ, von Borcke S, Malan PG *Endocrinology* 96: 1513-9, Jun 75 (Eng)

ADENYLATE CYCLASE

THE CATECHOLAMINE-RESPONSIVE ADENYLATE CYCLASE SYSTEM AND ITS MODIFICATION BY 5GUANYLYLMIDODIPHOSPHATE; Schramm M *Adv Cyclic Nucleotide Res* 5: 105-15, 1975 (Eng)

ADIPOCYTE

TIME COURSE OF TERMINATION OF THE GLUCOSE TRANSPORT ACTION OF INSULIN IN ADIPOCYTES; Crofford OB *J Biol Chem* 250: 7089-902, 25 Sep 75 (Eng)

SITE OF FREE-FATTY-ACID INHIBITION OF LIPOLYSIS BY HUMAN ADIPOCYTES; Burns TW, Langley PE, Robison GA *Metabolism* 24: 265-76, Mar 75 (Eng)

PREPARATION AND CHARACTERIZATION OF A HORMONE ANTAGONIST FROM ADIPOCYTES; Ho RJ, Bombay JD, Wasner HK,

Sutherland EW *Methods Enzymol* 37 pt b: 431-8, 1975 (Eng)

ADIPOCYTE, HUMAN

MONOLAYER CULTURES OF DISAGGREGATED HUMAN ADIPOCYTES; Adebajo FO *In Vitro* 11: 50-4, Jan-Feb 75 (Eng)

SITE OF FREE-FATTY-ACID INHIBITION OF LIPOLYSIS BY HUMAN ADIPOCYTES; Burns TW, Langley PE, Robison GA *Metabolism* 24: 265-76, Mar 75 (Eng)

ADIPOKINESIS

L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE; Pinter EJ, Tois G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)

ADIPOSE CELL, HUMAN

STUDIES ON HUMAN ADIPOSE CELLS IN CULTURE: RELATION OF CELL SIZE AND MULTIPLICATION TO DONOR AGE; Adebajo FO *Yale J Biol Med* 48: 9-16, Mar 75 (Eng)

ADIPOSE TISSUE

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS; Clarke PV, Kissebah AH, Hope-Gill H, Vydelling N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS; Bellfiore F, Rabuazzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

EFFECT OF PROLACTIN ON LIPOPROTEIN LIPASE IN CROP SAC AND ADIPOSE TISSUE OF PIGEONS; Garrison MM, Scow RO *Am J Physiol* 228: 1542-4, May 75 (Eng)

A COLORIMETRIC METHOD FOR THE DETERMINATION OF DEOXYRIBONUCLEIC ACID IN ADIPOSE TISSUE; Curtis-Prior PB, Hanley T, Temple NJ *Analyst* 100: 106-10, Feb 75 (Eng)

[ADIPOSE TISSUE OF THE ABDOMINAL WALL IN MAN. HISTORY OF LITERATURE AND ELECTRON MICROSCOPIC STUDY CONCERNING THE MORPHOLOGICAL ADIPOSE TISSUE RESEARCH. II. OWN ELECTRON MICROSCOPIC STUDIES ON THE ABDOMINAL WALL ADIPOSE TISSUE IN MAN] Hegewald G, Barenwald G, Schwanneghel H *Anat Anz* 136: 462-93, 1974 (Ger)

INDOMETHACIN AND THE ROLE OF PROSTAGLANDINS IN ADIPOSE TISSUE; Fredholm BB, Hedqvist P *Biochem Pharmacol* 24: 61-6, 1 Jan 75 (Eng)

ADIPOSE TISSUE, BROWN

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. I. GTP AS NUCLEOTIDE SUBSTRATE FOR HISTONE PHOSPHORYLATION; Skala JP, Knight BL *Biochim Biophys Acta* 385: 114-23, 14 Mar 75 (Eng)

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. II. TWO SOLUBLE KINASE ACTIVITIES AND THEIR AFFINITIES FOR NUCLEOTIDE AND PROTEIN SUBSTRATES; Knight BL, Skala JP *Biochim Biophys Acta* 385: 124-32, 14 Mar 75 (Eng)

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HUMAN ADIPOSE TISSUE LIPOPROTEIN LIPASE: COMPARISON OF ASSAY METHODS AND EXPRESSIONS OF ACTIVITY. Pukalisto OJ, Smith PH, Brunzell JD. *Proc Soc Exp Biol Med* 148: 297-300, Jan 75 (Eng)

ADIPOSE TISSUE, RAT

THE EFFECT OF AGE ON DEOXYRIBONUCLEIC ACID SYNTHESIS IN RAT ADIPOSE TISSUE. Lewis BM, Hayes TM. *Clin Sci Mol Med* 48: 323-5, Apr 75 (Eng)

LIPOLYSIS AND CYCLIC-3, 5-AMP CONTENT IN RAT ADIPOSE TISSUE AT DIFFERENT AGE. Macho L, Kolena J. *Endocrinol Exp (Bratisl)* 9: 93-9, Jun 75 (Eng)

ADOLESCENT

PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissmann I. *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

ADRENAL

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF. *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)

INHIBITORY EFFECT OF OUABAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K. *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)

ADRENAL CORTEX

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOPHYSIS-ADRENAL CORTEX SYSTEM] Shaliapina VG, Filaretov AA. *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

ADRENAL MEDULLA, RAT

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTEX AFTER ACUTE AND REPEATED STRESS. Kvctnansky R, Torda T, Jahnova E, Saleh N. *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

ADRENALECTOMY

BIOACTIVE AND IMMUNOACTIVE ACTH IN THE RAT PITUITARY: INFLUENCE OF STRESS AND ADRENALECTOMY. Moriarty CM, Moriarty GC. *Endocrinology* 96: 1419-25, Jun 75 (Eng)

ADRENALIN INFUSION

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE DURING CONTINUOUS INFUSION OF ADRENALIN. II. EFFECT OF EXOGENOUS INSULIN. Hessman Y. *Acta Chir Scand* 141: 393-8, 1975 (Eng)

ADRENALINE EFFECT

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCl. Kissbah AH, Clarke P, Vydellingum N, Hope-Gill H, Tulloch B, Fraser TR. *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

ADRENALINE, RAT PLASMA

PLASMA ADRENALINE CONCENTRATIONS IN RATS: INFLUENCE OF ANAESTHETICS AND HEART RATE RESPONSE TO PRONETHALOL. Dean HG, Rylett PA. *J Pharm Pharmacol* 27: 70-1, Jan 75 (Eng)

ADRENERGIC MECHANISM

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOPHYSIS-ADRENAL CORTEX SYSTEM] Shaliapina VG, Filaretov AA. *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

ADRENOCORTICAL FAILURE

A CASE OF ACUTE ADRENOCORTICAL FAILURE ON THE SECOND DAY FOLLOWING MITRAL COMMISSUROTOMY. Hol-drowicz M, Szymanska M. *Anaesth Resusc Intensive Ther* 2: 373-7, Oct-Dec 74 (Eng)

ADRENOCORTICOTROPIC HORMONE

BIOACTIVE AND IMMUNOACTIVE ACTH IN THE RAT PITUITARY: INFLUENCE OF STRESS AND ADRENALECTOMY. Moriarty CM, Moriarty GC. *Endocrinology* 96: 1419-25, Jun 75 (Eng)

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT. *Nature* 253: 268-7, 13 Feb 75 (Eng)

POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT. *Nature* 254: 620-2, 17 Apr 75 (Eng)

ADULT

CHILDHOOD AND DIET AS RELATED TO ATHEROSCLEROSIS. CAN THE PEDIATRICIAN HELP PROTECT AGAINST ADULT CORONARY ARTERY DISEASE. Laird WP. *Clin Pediatr (Phila)* 14: 485-6, 491-4, May 75 (Eng)

ADULT RAT

AMINOISOBUTYRIC ACID TRANSPORT IN PRIMARY CULTURES OF NORMAL ADULT RAT HEPATOCYTES. Ayala E, Canonico PG. *Proc Soc Exp Biol Med* 149: 1019-22, Sep 75 (Eng)

AFFECTIVE DISEASE

GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Deleon-Jones F. *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)

AFLATOXIN EFFECT

EFFECT OF AFLATOXINS ON OXIDATIVE PHOSPHORYLATION BY RAT LIVER MITOCHONDRIA. Ramachandra Pai M, Jayanthi Bai N, Venkitesubramanian TA. *Chem Biol Interact* 10: 123-31, Feb 75 (Eng)

AGE

TREATMENT OF DIABETIC RETINOPATHY WITH PHOTOCOAGULATION AT ADVANCED AGE. Riaskoff S. *Ophthalmologica* 171: 309-11, 1975 (Eng)

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Waleczek M, Michalkiewicz M, Piontek E, Paluszak W. *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)

TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY. Edmonds CJ, Jasani BM, Smith T. *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C. *Chronobiologia* 1: Apr-Jun 74 (Eng)

LIPOLYSIS AND CYCLIC-3, 5-AMP CONTENT IN RAT ADIPOSE TISSUE AT DIFFERENT AGE. Macho L, Kolena J. *Endocrinol Exp (Bratisl)* 9: 93-9, Jun 75 (Eng)

CORRELATION OF LACTASE ACTIVITY, LACTOSE TOLERANCE AND MILK CONSUMPTION IN DIFFERENT AGE GROUPS. Leberthal E, Antonowicz I, Shwachman H. *Am J Clin Nutr* 28: 595-600, Jun 75 (Eng)

AGE, DONOR

STUDIES ON HUMAN ADIPOSE CELLS IN CULTURE: RELATION OF CELL SIZE AND MULTIPLICATION TO DONOR AGE. Adebbonjo FO. *Yale J Biol Med* 48: 9-16, Mar 75 (Eng)

AGE EFFECT

THE EFFECT OF AGE ON DEOXYRIBONUCLEIC ACID SYNTHESIS IN RAT ADIPOSE TISSUE. Lewis BM, Hayes TM. *Clin Sci Mol Med* 48: 323-5, Apr 75 (Eng)

AGED PATIENT

[ARTERITIS IN AGED PATIENTS] Cormier JM, Firouzabadi H, Gigou F. *J Chir (Paris)* 109: 575-90, May-Jun 75 (Fre)

AGING

APPARENT ACCELERATED AGING OF HUMAN COLLAGEN IN DIABETES MELLITUS. Hamlin CR, Kohn RR, Luschn JH. *Diabetes* 24: 902-4, Oct 75 (Eng)

AGING AND THE DISPOSITION OF GLUCOSE. Andres R, Tobin JD. *Adv Exp Med Biol* 61: 239-49, 1975 (Eng)

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG. *Age Ageing* 3: 229-39, Nov 74 (Eng)

AGING EFFECT

EFFECT OF AGEING ON FAT MOBILIZATION IN MAN. Pawan GL. *Proc Nutr Soc* 33: 98a-99a, Dec 74 (Eng)

ALANINE

ALANINE-INDUCED AMINO ACID INTER-RELATIONSHIPS. Rossini AA, Aoki TT, Ganda OP, Sveldner JS, Cahill GF Jr. *Metabolism* 24: 1185-92, Oct 75 (Eng)

L-ALANINE

RELATIONSHIP BETWEEN L-ALANINE AND SODIUM ION TRANSPORT IN ISOLATED RENAL TUBULES. Endou H, Reuter E, Weber H. *Biochim Biophys Acta* 389: 516-29, 21 May 75 (Eng)

ALCOHOLIC

CARBOHYDRATE METABOLISM IN PATIENTS WITH ALCOHOLIC LIVER CIRRHOSIS. Kinalska I, Raimier M. *Mater Med Pol* 7: 200-3, Jul-Sep 75 (Eng)

Diabetes Literature—Keyword Index

ALCOHOLISM

ALCOHOLIC HYPERLIPIDEMIA. Stahelin HB, Nissen C, Sommer P, Widmer LK *Int J Vitam Nutr Res* 44: 507-20, 1974 (Eng)

ALCOHOLISM

PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)

ALDOSE-1-EPIMERASE

MUTAROTASE (ALDOSE 1-EPIMERASE) FROM KIDNEY CORTEX. Bailey JF, Fishman PH, Kusiak JW, Mulhern S, Pentchev PG *Methods Enzymol* 41: 471-84, 1975 (Eng)

ALDOSTERONE

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massy SG *Nephron* 15: 35-49, 1975 (Eng)

ALDOSTERONE, PLASMA

PLASMA ALDOSTERONE IN ANEPHRIC AND NON-NEPHRECTOMIZED DIALYSIS PATIENTS IN RELATION TO CHANGES IN PLASMA POTASSIUM WITHOUT CHANGE IN TOTAL POTASSIUM BALANCE. Olgaard K *Acta Med Scand* 198: 213-8, Sep 75 (Eng)

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

ALKALINE PHOSPHATASE

CELLULAR CONTROL OF CALCIUM MOVEMENTS IN BONE. INTERRELATIONSHIPS OF THE BONE MEMBRANE, PARATHYROID HORMONE AND ALKALINE PHOSPHATASE. Ramp WK *Clin Orthop* 311-22, Jan-Feb 75 (Eng)

ALKALINE PHOSPHATASE ISOENZYMES. TECHNICAL AND CLINICAL ASPECTS. Moss DW *Enzyme* 20: 20-34, 1975 (Eng)

ALKALINE PHOSPHATASE ACTIVITY

THE LOCALIZATION OF ALKALINE PHOSPHATASE ACTIVITY IN THE RAT SMALL INTESTINAL EPITHELIUM AFTER FAT AND PROTEIN FEEDING. Ono K *Acta Histochem (Jena)* 51: 124-37, 1974 (Eng)

ALLANTOIC FLUID

EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST TWO MONTHS OF PREGNANCY. Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)

ALLERGIC REACTION

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

HL-A ALLOANTISERA

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-CONTAINING MACROMOLECULES. Springer GF, Mittal KK, Terasaki PI, Desai PR, McIntire FC, Hirata AA *Z Immunitaetsforsch* 145: 166-75, May 75 (Eng)

ALLOGRAFT

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynger H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

ALLOTTRANSPLANTATION

SUCCESSFUL ORTHOTOPIC ALLOTTRANSPLANTATION OF HEARTS FROM DOGS IN IRREVERSIBLE SHOCK. Culpepper RD, Kondo Y, Hardy JD, Turner MD *Surgery* 77: 126-31, Jan 75 (Eng)

ALLOXAN

[PROCEEDINGS: HYPERGLYCEMIA IN THE EARLY PHASE OF ALLOXAN ADMINISTRATION AND SYMPATHETIC NERVE INTERRUPTION] Yasumitsu C, Matsuo Y, Tanaka I *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Jpn)

ALLOXAN DIABETES

GLYCOSAMINOGLYCANS AND HYDROXYPROLINE OF RABBIT LENS IN THE COURSE OF ARTIFICIAL ATHEROSCLEROSIS AND ALLOXAN DIABETES. Hanzlik J, Tomaszewski J *Folia Biol (Krakow)* 23: 293-8, 1975 (Eng)

[MORPHOLOGICAL AND HISTOCHEMICAL RESEARCH OF THE RABBIT AORTA WITH EXPERIMENTAL CHOLESTEROL ATHEROMASIA AND ALLOXAN DIABETES (AUTHORS TRANSL)] Stepien A, Hanzlik J, Lopatynski J, Wolanski I *Ann Univ Mariae Curie Sklodowska [Med]* 29: 157-67, 1974 (Pol)

ALLOXAN DIABETIC RAT

POTENTIATION OF THE HEPATOTOXIC RESPONSES TO CHEMICALS IN ALLOXAN-DIABETIC RATS. Hanazono GK, Witschi H, Plaa GL *Proc Soc Exp Biol Med* 149: 903-7, Sep 75 (Eng)

CUTANEOUS REACTIONS OF ALLOXAN DIABETIC RATS TO LOCAL THERMAL TRAUMA. Lithner F, Hagg E *Ups J Med Sci* 80: 99-102, 1975 (Eng)

ALLOXAN EFFECT

EFFECT OF ALLOXAN ADMINISTRATION UPON CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 88: 673-80, 1974 (Eng)

ALPHA ADRENERGIC AGONIST

METABOLIC RESPONSES OF PERFUSED RAT LIVERS TO ALPHA- AND BETA-ADRENERGIC AGONISTS, GLUCAGON AND CYCLIC AMP. Jakob A, Diem S *Biochim Biophys Acta* 404: 57-66, 8 Sep 75 (Eng)

ALPHA AMYLASE

TYPIST: EFFECT OF GLUCOSE AND CYCLIC NUCLEOTIDES ON THE TRANSCRIPTION OF ALPHA-AMYLASE MRNA IN BACILLUS SUBTILIS. Priest FG *Biochem Biophys Res Commun* 63: 606-10, 7 Apr 75 (Eng)

ALPHA ANOMER, GLUCOSE

INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS. II. Grodsky GM, Fanska R, Lundquist I *Endocrinology* 97: 573-80, Sep 75 (Eng)

ALPHA CELL RESPONSE

IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hover BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)

ALTHESIN

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL)] Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ *Anaesthesist* 23: 101-4, Mar 74 (Ger)

AMBULATORY MANAGEMENT

[AMBULATORY MANAGEMENT OF THE DIABETIC CHILD (AUTHORS TRANSL)] Hurter P *Monatsschr Kinderheilkd* 123: 711-7, Oct 75 (Ger)

AMINO ACID

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

ALANINE-INDUCED AMINO ACID INTERRELATIONSHIPS. Rossini AA, Aoki TT, Ganda OP, Soeldner JS, Cahill GF Jr *Metabolism* 24: 1185-92, Oct 75 (Eng)

EFFECT OF PHOSPHOLIPASE A ON ACTIVE TRANSPORT OF AMINO ACIDS WITH MEMBRANE VESICLES OF MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3699-703, 25 May 75 (Eng)

TRITIUM LABELING OF AMINO ACIDS IN POLYPEPTIDE HORMONES. Hembree WC, Wolf AP, Ehrenkauf RE, Lieberman S *Methods Enzymol* 37 pt b: 313-21, 1975 (Eng)

AMINO ACID, FREE

[THE PHYSICAL DEVELOPMENT OF NEWBORN INFANTS AND THE FREE AMINO ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Panfirov VV *Pediatr Akush Ginekol* 43-6, Mar-Apr 75 (Ukr)

AMINO ACID, NEUTRAL

NEUTRAL AMINO ACID TRANSPORT IN CULTIVATED HUMAN SKIN FIBROBLASTS (38521). Booth CW, Nader HL *Proc Soc Exp Biol Med* 148: 277-82, Jan 75 (Eng)

AMINO ACID PRECURSOR

HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltesz G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)

AMINO ACID SEQUENCE

AMINO ACID SEQUENCE OF TWO FUNCTIONAL SITES IN YEAST GLYCOGEN PHOSPHORYLASE. Lerch K, Fischer EH *Biochemistry* 14: 2009-14, 6 May 75 (Eng)

2-AMINOISOBUTYRIC ACID

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3:5 MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

AMMONIUM

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES. Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

AMP

SEE ADENOSINE-3,5-CYCLOC-MONOPHOSPHATE

AMPHOTERICIN B

NASAL MUCORMYCOSIS: EARLY DETECTION AND TREATMENT WITHOUT SURGICAL RA, OR AMPHOTERICIN B. Pollock RA, Pratt RC, Shulman JA, Turner JS *South Med J* 68: 1279-82, Oct 75 (Eng)

AMPUTATION

AMPUTATIONS IN THE LOWER LIMB. Warren R *Surg Annu* 7: 331-46, 1975 (Eng) [8]

AMPUTATION STUMP BREAKDOWN

MANAGEMENT OF AMPUTATION-STUMP BREAKDOWN. Kerstein MD *Am Surg* 41: 581-3, Sep 75 (Eng)

ANDROGEN STATUS

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geisthoel W, Niedergeke U, Morgner KD, Willms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

ANEMIA

[VARIOUS TYPES OF ANEMIAS IN THYROID INSUFFICIENCY] Guillausseau PJ, Lainee J, Aubert P *Nouv Presse Med* 4: 181-4, 18 Jun 75 (Fre)

ANESTHESIA

EFFECTS OF ABDOMINAL SURGERY UNDER GENERAL ANAESTHESIA AND OF POSTOPERATIVE ANALGESIC THERAPY ON SPLANCHNIC EXCHANGE OF SOME BLOOD BORNE ENERGY METABOLITES. Wiklund L, Jorfeldt L *Acta Anaesthesiol Scand [Suppl]* 41: 58, 1975 (Eng)

ANAESTHESIA FOR OPEN HEART SURGERY IN THE CALF. Gerring EL, Scarth SC *Br J Anaesth* 46: 455-60, Jun 74 (Eng)

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

ANESTHETIC

PLASMA ADRENALINE CONCENTRATIONS IN RATS: INFLUENCE OF ANAESTHETICS AND HEART RATE RESPONSE TO PRONETHALOL. Dean HG, Rylett PA *J Pharm Pharmacol* 27: 70-1, Jan 75 (Eng)

ANESTHETIZED DOG

EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)

ANGINA PECTORIS

[INCIDENCE OF HYPERURICEMIA AND GOUT IN CORONARY INSUFFICIENCY FROM ANGINA PECTORIS TO MYOCARDIAL INFARCT] May V, Robert H *Rev Rhum Mal Osteoartic* 42: 467-70, Jul-Sep 75 (Fre)

ANGIOTENSIN

THE RENIN-ANGIOTENSIN SYSTEM IN DIABETES MELLITUS. Hauger-Klevene JH, Barontini de Moyano MB *Acta Physiol Lat Am* 24: 419-24, 1974 (Eng)

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)

ANOSMIA

[KALLMANS SYNDROME--HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodecim* 91: 649-56, 1975 (Fin)

ANOXIA, DIVING EFFECT

EFFECTS OF PROLONGED DIVING ANOXIA ON THE TURTLE, PSEUDOMYS SCRIPTA ELEGANS. Penney DG *Comp Biochem Physiol [A]* 47: 933-41, 1 Mar 74 (Eng)

ANTIBODY

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

ANTIDIABETIC

[THE FUNDAMENTALS OF THE PHARMACOLOGY OF ANTIDIABETIC SUBSTANCES] Losert W *Pharmazie* 30: 422-33, Jul 75 (Ger) [184]

ANTIDIABETIC TREATMENT

[RECENT ACQUISITIONS IN THE FIELD OF ANTI-DIABETIC TREATMENT] Hscine M, Baquet R *Maroc Med* 55: 289-92, Jun 75 (Fre)

ANTIGEN, MITOCHONDRIAL

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES

ARGININE INFUSION

MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 71-5, May 74 (Eng)

ANTIHYPERTENSIVE AGENT

[THE ACTION OF THE ANTIHYPERTENSIVE AGENT BENDIGON ON SERUM LIPIDS (AUTHORS TRANSL)] Studlar M *Med Klin* 70: 102-5, 17 Jun 75 (Ger)

ANTILIPOLYTIC AGENT EFFECT

PROCEEDINGS: THE DISPOSITION OF L-(3-H) - NORADRENALINE BY THE ISOLATED EPIDIDYMAL FAT PAD OF THE RAT AND THE EFFECT OF ANTILIPOLYTIC AGENTS. Bizzi A, Codegoni AM, Luzzani F, Manara L, Tacconi MT *Br J Pharmacol* 52: 449p-450p, Nov 74 (Eng)

ANTIPORCINE HORMONE SERUM

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

ANTISERUM, HETEROLOGOUS

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

AORTA

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. Kokatnur MG, Malcom GT, Eggen DA, Strong JP *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

AORTA, RABBIT

[MORPHOLOGICAL AND HISTOCHEMICAL RESEARCH OF THE RABBIT AORTA WITH EXPERIMENTAL CHOLESTEROL ATHEROMASIA AND ALLOXAN DIABETES (AUTHORS TRANSL)] Stepien A, Hanzlik J, Lopatynski J, Wolanski I *Ann Univ Mariae Curie Skłodowska [Med]* 29: 157-67, 1974 (Pol)

ULTRASTRUCTURE OF CELLS ISOLATED ENZYMATIALLY FROM THE AORTA OF RABBITS WITH EXPERIMENTAL ATHEROSCLEROSIS. Rosnowski A, Hineck A *Pol Med Sci Hist Bull* 15: 387-98, Sep-Oct 74 (Eng)

APOPROTEIN, PLASMA

METABOLISM OF LIPOPROTEINS IN NONHUMAN PRIMATES. STUDIES ON THE ORIGIN OF LOW DENSITY LIPOPROTEIN APOPROTEIN IN THE PLASMA OF THE SQUIRREL MONKEY. Illingworth DR *Biochim Biophys Acta* 388: 38-51, 18 Apr 75 (Eng)

ARGININE INFUSION

PLASMA GLUCAGON RESPONSE TO ARGinine INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefberg Z, Laron Z, Doron M, Keret

Diabetes Literature—Keyword Index

ARGON LASER

R. Belinski Y, Weissmann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

ARGON LASER

[TREATMENT OF VASCULAR AND HEMORRHAGIC DIABETIC RETINOPATHIES BY MEANS OF ARGON LASERS] Gallet M *Maroc Med* 55: 300-1, Jun 75 (Fre)

ARTERIAL DISEASE, PERIPHERAL

A COMPARISON OF FASTING SERUM LIPID CONCENTRATIONS AND LIPOPROTEIN PATTERNS IN PATIENTS WITH STENOSIS AND DILATING FORMS OF PERIPHERAL ARTERIAL DISEASE. Greenhalgh RM, Taylor GW, Kaye J *J Cardiovasc Surg (Torino)* 16: 150-1, Mar-Apr 75 (Eng)

ASPHYXIA

EVIDENCE FOR BENEFICIAL EFFECT OF INTRAVENOUS GLUCOSE ON THE HEMODYNAMIC RESPONSE TO ACUTE ASPHYXIA. Scholle SF, Griggs DM Jr *Proc Soc Exp Biol Med* 148: 743-7, Mar 75 (Eng)

ATHEROGENESIS

EARLY EVENTS IN ATHEROGENESIS. Gresham GA *Lancet* 1: 614-5, 15 Mar 75 (Eng)

[PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS] Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)

ATHEROMASIA

[MORPHOLOGICAL AND HISTOCHEMICAL RESEARCH OF THE RABBIT AORTA WITH EXPERIMENTAL CHOLESTEROL ATHEROMASIA AND ALLOXAN DIABETES (AUTHORS TRANSL)] Stepien A, Hanzlik J, Lopatynski J, Wolanski I *Ann Univ Mariae Curie Sklodowska [Med]* 29: 157-67, 1974 (Pol)

ATHEROSCLEROSIS

GLYCOSAMINOGLYCANS AND HYDROXYPROLINE OF RABBIT LENS IN THE COURSE OF ARTIFICIAL ATHEROSCLEROSIS AND ALLOXAN DIABETES. Hanzlik J, Tomaszewski J *Folia Biol (Krakow)* 23: 293-8, 1975 (Eng)

[RELATION BETWEEN ATHEROSCLEROSIS AND DIABETES MELLITUS] Shustval NF *Klin Med (Mosk)* 52: 81-8, Mar 74 (Rus)

CHILDHOOD AND DIET AS RELATED TO ATHEROSCLEROSIS. CAN THE PEDIATRICIAN HELP PROTECT AGAINST ADULT CORONARY ARTERY DISEASE? Laird WP *Clin Pediatr (Phila)* 14: 485-6, 491-4, May 75 (Eng)

ATHEROSCLEROSIS, EXPERIMENTAL

ULTRASTRUCTURE OF CELLS ISOLATED ENZYMICALLY FROM THE AORTA OF RABBITS WITH EXPERIMENTAL ATHEROSCLEROSIS. Rosnowski A, Hincik A *Pol Med Sci Hist Bull* 15: 387-98, Sep-Oct 74 (Eng)

ATHEROSCLEROSIS, PIGEON

ATHEROSCLEROSIS IN FAMILIAL LINES OF PIGEONS FED EXOGENOUS CHOLESTEROL. Patton NM, Brown RV, Middleton CC *Atherosclerosis* 21: 147-54, Mar-Apr 75 (Eng)

ELEVATION OF ARTERIAL PHOSPHODIESTERASE ACTIVITY ASSOCIATED WITH

SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemleny T, Rosenstein AJ *Atherosclerosis* 21: 167-77, Mar-Apr 75 (Eng)

ATHEROSCLEROSIS, SWINE

EFFECT OF DIETARY PROTEIN AND CHOLESTEROL ON ATHEROSCLEROSIS IN SWINE. Gupta PP, Tandon HD, Ramalingaswami V *Exp Mol Pathol* 22: 305-16, Jun 75 (Eng)

ATHEROSCLEROTIC LESION

RELATIONSHIP OF RAISED ATHEROSCLEROTIC LESIONS TO FATTY STREAKS IN 19 LOCATION-RACE GROUPS. Tracy RE, Toca V *Atherosclerosis* 21: 21-36, Jan-Feb 75 (Eng)

ATHEROSCLEROTIC LESION, HUMAN

LIPOPROTEIN-ACID MU-COPOLYSACCHARIDE COMPLEXES OF HUMAN ATHEROSCLEROTIC LESIONS. Srinivasan SR, Radhakrishnamurthy B, Parganekar PS, Berenson GS, Dolan P *Biochim Biophys Acta* 388: 58-70, 18 Apr 75 (Eng)

ATP

SEE ADENOSINE TRIPHOSPHATE

ATRIAL FIBRILLATION

ROLES OF THE AV JUNCTION IN DETERMINING THE VENTRICULAR RESPONSE TO ATRIAL FIBRILLATION. Billette J, Roberge FA, Nadeau RA *Can J Physiol Pharmacol* 53: 575-85, Aug 75 (Eng)

METABOLIC STUDIES FOLLOWING THORACOTOMY FOR LUNG CANCER WITH PARTICULAR REFERENCE TO POSTOPERATIVE ATRIAL FIBRILLATION. Alstrup P, Sorensen HR *Scand J Thorac Cardiovasc Surg* 9: 149-53, 1975 (Eng)

ATRIAL PACING

[COURSE OF CORONARY DISEASE. EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY] Kugler G, Johannes E, Rodiger W, Westermann KW *Z Kardiol* 64: 245-54, Mar 75 (Ger)

ATRIUM, ISOLATED

A COMPARISON OF THE EFFECTS OF OUABAIN ON SUGAR AND SODIUM TRANSPORT AND ON CONTRACTILE ACTIVITY OF ISOLATED ATRIA. Bihler I, Sawh PC *Proc West Pharmacol Soc* 18: 106-9, 1975 (Eng)

ATROPINE

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Frey EJ, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

ATROPINE EFFECT

THE EFFECT OF ATROPINE AND VAGOTOMY ON THE SECRETION OF GASTRIC INTRINSIC FACTOR (IF) IN MAN. Vatn MH, Semb LS, Schrumph E *Scand J Gastroenterol* 10: 59-64, 1975 (Eng)

AUTISM, INFANTILE

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

AUTOANALYZER

[DETERMINATION OF GLUCOSE IN URINE. COMPARISON BETWEEN TESTAPE, CLINITEST, FERMENTATION SACCHAROMETER AND AUTOANALYZER] Kragh PL, Madsen HG *Ugeskr Laeger* 137: 2308-12, 29 Sep 75 (Dan)

AUTOANTIBODY, CIRCULATING

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 71-5, May 74 (Eng)

AUTOIMMUNE REACTION

VULNERABILITY OF CELL-SURFACE RECEPTORS TO AUTOIMMUNE REACTIONS. Carnegie PR, Mackay IR *Lancet* 2: 684-7, 11 Oct 75 (Eng)

AUTO-OXIDATION

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDATION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS] Kozlov lu P, Glushchenko NN, Obraztsov VV, Orlov SN, Kagan VE *Biophysika* 18: 1031-6, Nov-Dec 73 (Rus)

AUTOREGULATION

CHRONICALLY IMPAIRED AUTOREGULATION OF CEREBRAL BLOOD FLOW IN LONG-TERM DIABETICS. Bentsen N, Larsen B, Lassen NA *Stroke* 6: 497-502, Sep-Oct 75 (Eng)

AVITAMINOSIS

[LIGHT- AND ELECTRON MICROSCOPY STUDIES OF STRUCTURAL CHANGES WITHIN THE EXO- AND ENDOCRINE PANCREAS OF THE ALBINO RAT IN 2-, 3-, 4-, AND 6-WEEK-LONG BI-AVITAMINOSIS] Falla A *Verh Anat Ges* 68: 621-39, 1974 (Ger)

AXON, GAMMA FUSIMOTOR

[DETERMINATION OF THE DISTRIBUTION OF GAMMA FUSIMOTOR AXONS IN THE CAT BY GLYCOGENIC DEPLETION] Barker D, Emonet-Denand F, Harker D, Jami L, Laporte Y *C R Acad Sci [D] (Paris)* 279: 1595-8, 4 Nov 74 (Fre)

B CHAIN SHORTENING

[B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN BY PEPsin. I. PREPARATION AND PROPERTIES OF BOVINE DES-PENTAPEPTIDE (B26-30) INSULIN (AUTHORS TRANSL)] Gattner HG *Hoppe Seylers Z Physiol Chem* 356: 1397-404, Sep 75 (Ger)

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEPsin. II. PREPARATION AND PROPERTIES OF CAMEL DES-PENTAPEPTIDE (B26-30)- AND DES-PHE1-DESPENTAPEPTIDE (B26-30)- INSULIN. Danho WO, Gattner HG, Nissen D, Zahn H *Hoppe*

Seylers Z *Physiol Chem* 356: 1405-12, Sep 75 (Eng)

BACILLUS SUBTILIS

TYPIST: EFFECT OF GLUCOSE AND CYCLIC NUCLEOTIDES ON THE TRANSCRIPTION OF ALPHA-AMYLASE MRHA IN BACILLUS SUBTILIS. Priest FG *Biochem Biophys Res Commun* 63: 606-10, 7 Apr 75 (Eng)

BACTERIA

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

BACTERIAL EFFECT

EFFECTS OF BACTERIAL CARDIO-STIMULATING SUBSTANCE ON CARDIAC METABOLISM IN DOGS. Lui CT, Williams RP *Arch Int Pharmacodyn Ther* 211: 280-90, Oct 74 (Eng)

BAKERS YEAST

GLUCOSE-6-PHOSPHATE 1-EPIMERASE FROM BAKERS YEAST. Wurster B, Hess B *Methods Enzymol* 41: 488-93, 1975 (Eng)

BASE, WEAK

DYNAMIC ROLE OF BUFFERS: FACILITATED TRANSPORT OF PROTONS, WEAK ACIDS AND BASES. Engasser JM, Horvath C *Physiol Chem Phys* 6: 541-3, 1974 (Eng)

BASEMENT MEMBRANE

BIOCHEMICAL STUDIES OF THE GLOMERULAR BASEMENT MEMBRANE IN THE DISEASED KIDNEY. Mahieu P, Winand RJ, Nussgens B *Adv Nephrol* 2: 25-34, 1972 (Eng) [29]

BENDIGON

[THE ACTION OF THE ANTIHYPERTENSIVE AGENT BENDIGON ON SERUM LIPIDS (AUTHORS TRANSL.)] Studlar M *Med Klin* 70: 102-5, 17 Jan 75 (Ger)

BETA ADRENERGIC AGONIST

METABOLIC RESPONSES OF PERFUSED RAT LIVERS TO ALPHA- AND BETA-ADRENERGIC AGONISTS, GLUCAGON AND CYCLIC AMP. Jakob A, Diem S *Biochim Biophys Acta* 404: 57-66, 8 Sep 75 (Eng)

BETA ADRENERGIC BLOCK

[CLINICAL CORRELATION BETWEEN THE ENDOCRINE SYSTEM AND THE CARDIOVASCULAR SYSTEM. BETA-ADRENERGIC BLOCK IN ACUTE MYOCARDIAL INFARCT] Palma G, Nubile G *Boll Soc Ital Biol Sper* 50: 1433-9, 30 Sep 74 (Ita)

BETA ANOMER, GLUCOSE

INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS. II. Grodsky GM, Fanska R, Lundquist I *Endocrinology* 97: 573-80, Sep 75 (Eng)

BETA CELL

EFFECT OF POLYCLONAL B-CELL ACTIVATORS ON DNA SYNTHESIS IN FIBROBLASTS. Persson U, Moller G *Scand J Immunol* 4: 527-34, Sep 75 (Eng)

BETA CELL IMPLANTATION

[NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLANTATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)

BETA CELL, PANCREATIC

[THE EFFECT OF RASTINON ON THE BETA CELLS OF THE RAT AND GUINEA PIG PANCREAS] Ogneva V *Eksp Med Morfol* 12: 92-7, 1973 (Bul)

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larrodera L, Ramirez A, Florez Tascon M, Schuller A *Rev Clin Exp* 138: 475-9, 15 Sep 75 (Spa)

DIAGNOSIS AND TREATMENT OF PANCREATIC BETA-CELL TUMOR. Skjoldborg H, Olsen TS, Lundbaek K, Madsen B *Surg Annu* 7: 219-39, 1975 (Eng) [43]

BETA CELL RESPONSE

IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hover BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)

BETA GRANULE

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

BIGUANIDE EFFECT

[THE EFFECT OF BIGUANIDE PREPARATIONS ON LIPID METABOLISM] Pavlov K *Vutr Boles* 13: 115-8, 1974 (Bul)

BILAYER MEMBRANE

CHLORIDE FLUX IN BILAYER MEMBRANES: THE ELECTRICALLY SILENT CHLORIDE FLUX IN SEMISPHERICAL BILAYERS. Toyoshima Y, Thompson TE *Biochemistry* 14: 1518-24, 8 Apr 75 (Eng)

CHLORIDE FLUX IN BILAYER MEMBRANES: CHLORIDE PERMEABILITY IN AQUEOUS DISPERSIONS OF SINGLE-WALLED, BILAYER VESICLES. Toyoshima Y, Thompson TE *Biochemistry* 14: 1525-31, 8 Apr 75 (Eng)

BILAYER, PHOSPHOLIPID

NMR STUDIES ON PHOSPHOLIPID BILAYERS. SOME FACTORS AFFECTING LIPID DISTRIBUTION. Berden JA, Barker RW, Radda GK *Biochim Biophys Acta* 375: 186-208, 28 Jan 75 (Eng)

BILAYER STRUCTURE

BILAYER STRUCTURE IN PHOSPHOLIPID-CYTOCHROME C MODEL MEMBRANES. Shui-Pong-Van, Griffith OH *J Membr Biol* 20: 155-70, 1975 (Eng)

BILE, CHOLEDOCHAL

[GLUCOSE CONTENT OF GALLBLADDER BILE AND CHOLEDOCHAL BILE] Paris J, Gerard A, Salembier Y, Samso G *Tijdschr Gastroenterol* 17: 40-50, 1974 (Fre)

BILE, GALLBLADDER

[GLUCOSE CONTENT OF GALLBLADDER BILE AND CHOLEDOCHAL BILE] Paris J, Gerard A, Salembier Y, Samso G *Tijdschr Gastroenterol* 17: 40-50, 1974 (Fre)

BILIARY SECRETION

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

BILIARY TRACT

ACTIONS OF GASTROINTESTINAL HORMONES AND RELATED PEPTIDES ON THE MOTOR FUNCTION OF THE BILIARY TRACT. Lin TM *Gastroenterology* 69: 1006-22, Oct 75 (Eng) [137]

BILIRUBIN

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Ninomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

BLOOD GLUCOSE, TOTAL SERUM CHOLESTEROL AND TOTAL BILIRUBIN LEVELS OF RATS FOLLOWING EXTRA-TESTINAL MIGRATION OF STRONGYLOIDES VENEZUELENSIS (BRUMPT, 1934). Petriello RP, Hardy SM *Comp Biochem Physiol* [B] 50: 537-40, 15 Apr 75 (Eng)

BINDING

OBSERVATIONS ON THE BINDING OF ADENOSINE 3:5-MONOPHOSPHATE TO CELL MEMBRANE FRAGMENTS FROM OX CEREBRAL CORTEX. Weller M, Rodnight R *Biochim Biophys Acta* 389: 573-7, 21 May 75 (Eng)

BINDING CAPACITY

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geisthoel W, Niedergecke U, Morgner KD, Wilms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

BINDING, PLASMA PROTEIN

PLASMA PROTEIN BINDING OF EPINEPHRINE. Russell JC, Doty DM *Physiol Chem Phys* 5: 75-86, 1973 (Eng)

BIOASSAY

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)

BIOLOGICAL ACTIVITY

BIOLOGICAL ACTIVITY

SOMATOSTATIN ANALOGS. RELATIVE IMPORTANCE OF THE DISULFIDE BRIDGE AND OF THE ALA-GLY SIDE CHAIN FOR BIOLOGICAL ACTIVITY. Rivier J, Brazeau P, Vale W, Guillemin R *J Med Chem* 18: 123-6, Feb 75 (Eng)

BIOLOGICALLY ACTIVE FRAGMENT

HUMAN PITUITARY GROWTH HORMONE: IMMUNOCHEMICAL INVESTIGATIONS OF BIOLOGICALLY ACTIVE FRAGMENTS. Clarke WC, Hayashida T, Li CH *Arch Biochem Biophys* 164: 571-4, Oct 74 (Eng)

BIOMEMBRANE LIPID

[MATHEMATICAL MODELING OF THE KINETICS OF CHAIN OXIDATION OF BIOMEMBRANE LIPIDS IN THE PRESENCE OF FE²⁺ IONS] Anonymous *Biofizika* 18: 1024-30, Nov-Dec 73 (Rus)

BIOMOLECULAR TOPOGRAPHY

A QUANTITATIVE APPROACH TO THE COMPARISON OF BIOMOLECULAR TOPOGRAPHIES. Sundaram K, Mahajan S, Mishra RK *Physiol Chem Phys* 6: 469-78, 1974 (Eng)

BIOTIN

BIOTIN. McCormick DB *Nutr Rev* 33: 97-102, Apr 75 (Eng) [36]

BIPHASIC EFFECT

BIPHASIC EFFECT OF THE ALPHA-ADRENOLYTIC PHENTOLAMINE ON HORMONE-STIMULATED FORMATION OF CYCLIC ADENOSINE-3,5-MONOPHOSPHATE IN ISOLATED FAT CELLS OF RATS. Stock K, Thomas T *Metabolism* 24: 277-86, Mar 75 (Eng)

BLAST TRANSFORMATION

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kulpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

BLOOD

[THE ACTIVITY OF KEY PENTOSEPHOSPHATE CYCLE ENZYMES IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Karabun PM *Fiziol Zh* 20: 394-8, May-Jun 74 (Ukr)

EFFECTS OF ABDOMINAL SURGERY UNDER GENERAL ANAESTHESIA AND OF POSTOPERATIVE ANALGESIC THERAPY ON Splanchnic EXCHANGE OF SOME BLOOD BORNE ENERGY METABOLITES. Wiklund L, Jorfeldt L *Acta Anaesthesiol Scand [Suppl]* 41: 58, 1975 (Eng)

THE INFLUENCE OF DIABETIC REGULATION ON THE DIURNAL VARIATION IN BLOOD AND THE URINARY EXCRETION OF KETONE BODIES. STUDIES IN NEWLY DIAGNOSED DIABETICS. Wildenhoff KE *Acta Med Scand* 198: 127-33, Jul-Aug 75 (Eng)

[THE PHYSICAL DEVELOPMENT OF NEWBORN INFANTS AND THE FREE AMINO ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Panfirov VV *Pediatr Akush Ginekol* 43-6, Mar-Apr 75 (Ukr)

THERMOCHEMICAL DETERMINATION OF GLUCOSE IN SERUM, PLASMA, AND WHOLE BLOOD WITHOUT PRIOR DEPROTEINIZATION. McGlothlin CD, Jordan J *Clin Chem* 21: 741-5, May 75 (Eng)

THE DIFFERENCE BETWEEN THE GLUCOSE CONCENTRATIONS IN PLASMA AND WHOLE BLOOD. Holtkamp HC, Verhoef NJ, Leijne B *Clin Chim Acta* 59: 41-9, 22 Feb 75 (Eng)

[RELATIONSHIP BETWEEN THE HEALTH OF HORSES AND FEEDING RATIONS CONSISTING OF PELLETTED CONCENTRATES ALONE. II. CLINICO-CHEMICAL EXAMINATION OF THE BLOOD(AUTHORS TRANSL.)] Bouwman H, Scholman AJ *Tijdschr Diergeneesk* 100: 138-45, 1 Feb 75 (Dut)

BLOOD FLOW

PHARMACOLOGIC EFFECTS OF GASTROINTESTINAL HORMONES ON INTESTINAL OXYGEN CONSUMPTION AND BLOOD FLOW. Bowen JC, Pawlik W, Fang WF, Jacobson ED *Surgery* 78: 515-9, Oct 75 (Eng)

BLOOD FLOW, CEREBRAL

CHRONICALLY IMPAIRED AUTOREGULATION OF CEREBRAL BLOOD FLOW IN LONG-TERM DIABETICS. Bentsen N, Larsen B, Lassen NA *Stroke* 6: 497-502, Sep-Oct 75 (Eng)

METHODS FOR MEASUREMENT OF THE CEREBRAL BLOOD FLOW. Olesen J *Acta Neurol Scand [Suppl]* 50: 1-134, 1974 (Eng) [79]

BLOOD FLOW, DOG

THE EFFECT OF GLUCAGON ON GLOMERULAR FILTRATION RATE IN DOGS DURING REDUCTION OF RENAL BLOOD FLOW. Levy M *Can J Physiol Pharmacol* 53: 660-8, Aug 75 (Eng)

BLOOD FLOW, SHEEP

PROCEEDINGS: BLOOD FLOW AND SUBSTRATE UPTAKE AND OXIDATION IN THE HIND LIMB MUSCLES OF SHEEP. Domanski A, Linksay DB, Setchell BP *J Physiol (Lond)* 242: 28-29P, Oct 74 (Eng)

BLOOD PARAMETER

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES IN-SIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

BLOOD PROFILE

ON THE CAUSES AND EFFECTS OF VARIATIONS IN THE BLOOD PROFILE OF SWEDISH DAIRY CATTLE. Hewett C *Acta Vet Scand [Suppl]* 1: 1-152, 1974 (Eng)

BLOOD SUGAR

[COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANN'S, GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQUES DURING THE ORAL GLUCOSE TOLERANCE TEST] Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)

[COMPARATIVE DETERMINATION OF BLOOD SUGAR USING DEXTROSTIX AND REFLECTORIC MEASUREMENT] Buhring M, Keller H *Med Welt* 26: 390-2, 28 Feb 75 (Ger)

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

BODY FAT

BODY FAT OF BRITISH AND DUTCH INFANTS. Widdowson EM, Dauncey MJ, Gairdner DM, Jonxis JH, Pelikan-Filipkova M *Br Med J* 1: 653-5, 22 Mar 75 (Eng)

TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY. Edmonds CJ, Jasani BM, Smith T *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)

BODY FLUID

DEMONSTRATION OF C-PEPTIDE IMMUNOREACTIVITY IN VARIOUS BODY FLUIDS AND CLINICAL EVALUATION OF THE DETERMINATION OF URINARY C-PEPTIDE IMMUNOREACTIVITY. Kaneko T, Munemura M, Oka H, Oda T, Suzuki S *Endocrinol Jpn* 22: 207-12, Jun 75 (Eng)

BORON TRIFLUORIDE, METHANOL

A CONVENIENT ESTERIFICATION OF INSULIN WITH BORON TRIFLUORIDE/METHANOL. Gattner HG, Schmitt EW, Naithani VK *Hoppe Seylers Z Physiol Chem* 356: 1465-7, Sep 75 (Eng)

BRAIN, RAT

THE REGIONAL DISTRIBUTION OF SOMATOSTATIN IN THE RAT BRAIN. Brownstein M, Arimura A, Sato H, Schally AV, Kizer JS *Endocrinology* 96: 1456-61, Jun 75 (Eng)

8-BROMOGUANOSINE-3,5-MONOPHOSPHATE

STIMULATION OF SUGAR TRANSPORT IN RAT DIAPHRAGM BY 8-BROMOGUANOSINE 3,5-MONOPHOSPHATE. Pinkett MO, Perlman RL *Biochim Biophys Acta* 399: 473-7, 13 Aug 75 (Eng)

BRUSH BORDER

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-955, 1975 (Eng)

BUFFER

DYNAMIC ROLE OF BUFFERS: FACILITATED TRANSPORT OF PROTONS, WEAK ACIDS AND BASES. Engasser JM, Horvath C *Physiol Chem Phys* 6: 541-3, 1974 (Eng)

BURN INJURY EFFECT

EFFECTS OF BURN INJURY ON INSULIN SECRETION AND ON SENSITIVITY TO INSULIN IN THE RAT IN VIVO. Frayn KN *Eur J Clin Invest* 5: 331-7, 29 Jul 75 (Eng)

CAFFEINE

[IMMUNOREACTIVE INSULIN IN CHILDREN FOLLOWING ORAL ADMINISTRATION OF CAFFEINE] Walczak M, Michalkiewicz M, Piontek E *Pediatr Pol* 50: 1119-23, Sep 75 (Pol)

Diabetes Literature—Keyword Index

CARBOXYKINASE, PHOSPHOENOLPYRUVATE

CALCIUM

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissebah AH, Clarke P, Vydellingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissebah AH, Hope-Gill H, Vydellingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION, INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Esp* 138: 321-6, 31 Aug 75 (Spa)

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Scino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

CONTROL OF PLATELET GLYCOGENOLYSIS; ACTIVATION OF PHOSPHORYLASE KINASE BY CALCIUM. Gear AR, Schneider W *Biochim Biophys Acta* 392: 111-20, 5 May 75 (Eng)

CALCIUM ABSORPTION

DEPRESSED DUODENAL CALCIUM ABSORPTION IN THE DIABETIC RAT: RESTORATION BY SOLANUM MALACOXYLON. Schneider LE, Wasserman RH, Schedl HP *Endocrinology* 97: 649-53, Sep 75 (Eng)

CALCIUM METABOLISM

THE EFFECT OF GROWTH HORMONE ON CALCIUM METABOLISM IN THE SHEEP. Braithwaite GD *Br J Nutr* 33: 309-14, May 75 (Eng)

STUDIES IN CALCIUM METABOLISM IN INFANTS WITH INTRAUTERINE GROWTH RETARDATION. Tsang RC, Gigger M, Oh W, Brown DR *J Pediatr* 86: 936-41, Jun 75 (Eng)

CALCIUM MOVEMENT

CELLULAR CONTROL OF CALCIUM MOVEMENTS IN BONE. INTERRELATIONSHIPS OF THE BONE MEMBRANE, PARATHYROID HORMONE AND ALKALINE PHOSPHATASE. Ramp WK *Clin Orthop* 311-22, Jan-Feb 75 (Eng)

CALF

ANAESTHESIA FOR OPEN HEART SURGERY IN THE CALF. Gerrig EL, Searth SC *Br J Anaesth* 46: 455-60, Jun 74 (Ger)

CALORIGENIC EFFECT

[THE CALORIGENIC EFFECT OF GLUCAGON] Krimphove M, Opitz K *Arch Int Pharmacodyn Ther* 216: 328-50, Aug 75 (Ger)

CAMP

SEE ADENOSINE 3,5-CYCLOC-MONOPHOSPHATE

CANCER, BLADDER

EDITORIAL: SACCHARIN AND BLADDER CANCER. Anonymous *Br Med J* 3: 610, 13 Sep 75 (Eng)

CANCER RECURRENCE

[THEORETICAL ASPECTS OF FIGHTING CANCER RECURRENCE (AUTHORS TRANSL.)] von Ardenne M *Wien Klin Wochenschr* 87: 7-12, 10 Jan 75 (Ger)

CAPILLARY BLOOD

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Ninomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

CAPILLARY JUNCTION, RETINAL

RETINAL CAPILLARY JUNCTIONS: ULTRASTRUCTURAL TIGHT JUNCTION ARTEFACTS INDUCED BY SODIUM IONS AND MEMBRANE REDUCTION IN STREPTOZOTOCIN DIABETES. Sosula L *Cell Tissue Res* 161: 393-411, 25 Aug 75 (Eng)

CARBOHYDRATE

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

[CARBOHYDRATES FOR THE INFLUENCING OF EFFICIENCY IN SPORT MEDICINE] Keul L *Nutr Metab* 18 suppl 1: 157-70, 1975 (Ger)

QUANTITATIVE COMPARISON AND EVALUATION OF UTILIZATION OF PARENTAL ADMINISTERED CARBOHYDRATES. Heuckenkamp PU, Zollner N *Nutr Metab* 18 suppl 1: 209-26, 1975 (Eng)

[ROLE OF CARBOHYDRATE IN THE LIGHT OF THEIR METABOLISM] Miler-Sosnkowska M *Postepy Hig Med Dosw* 29: 537-55, Jul-Aug 75 (Pol)

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-CONTAINING MACROMOLECULES. Springer GF, Mittal KK, Terasaki PI, Desai PR, McIntire FC, Hirata AA *Z Immunitaetsforsch* 145: 166-75, May 75 (Eng)

CARBOHYDRATE DIGESTION

CARBOHYDRATE DIGESTION AND ABSORPTION IN THE EQUINE SMALL INTESTINE. Roberts MC *J S Afr Vet Assoc* 46: 19-27, Mar 75 (Eng) [25]

CARBOHYDRATE DIGESTION AND ABSORPTION. ROLE OF THE SMALL INTESTINE. Gray GM *N Engl J Med* 292: 1225-30, 5 Jun 75 (Eng) [17]

CARBOHYDRATE METABOLISM

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL.)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

[CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Rus) [112]

EFFECTS OF ORAL CONTRACEPTIVE AGENTS ON CARBOHYDRATE METABOLISM. Kalkhoff RK *J Steroid Biochem* 6: 949-56, Jun 75 (Eng) [88]

CARBOHYDRATE METABOLISM IN PATIENTS WITH ALCOHOLIC LIVER CIRRHOSIS. Kinalska I, Raimer M *Mater Med Pol* 7: 200-3, Jul-Sep 75 (Eng)

[ORAL ADMINISTRATION OF AN ACIDIFEROUS DRUG AND ITS EFFECT ON CARBOHYDRATE METABOLISM OF MATURITY-ONSET-DIABETICS TREATED BY ORAL HYPOGLYCAEMIC AGENTS] Klein W *Med Klin* 70: 1432-6, 5 Sep 75 (Ger)

FACTORS INFLUENCING CARBOHYDRATE METABOLISM IN MAN. Hultman E, Nilsson LH *Nutr Metab* 18 suppl 1: 45-64, 1975 (Eng)

CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)

CARBOHYDRATE METABOLISM AND ITS RESPONSE TO CATECHOLAMINES AS MODIFIED IN ALKALOTIC RAT. Yajima M, Uti M *Am J Physiol* 228: 1046-52, Apr 75 (Eng)

MUCOID ENTERITIS IN THE RABBIT ASSOCIATED WITH E. COLI. CHANGES IN THE CARBOHYDRATE METABOLISM. Vetesi F, Kutas F *Acta Vet Acad Sci Hung* 24: 303-11, 1974 (Eng)

CARBOHYDRATE METABOLISM DISORDER

[SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehnert H, Dietze G, Haslbeck M *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)

[DISORDERS OF CARBOHYDRATE METABOLISM IN PATIENTS WITH RENAL FAILURE] Rutkowski B, Kicinska M *Pol Tyg Lek* 30: 1587-90, 22 Sep 75 (Pol) [37]

CARBOHYDRATE TOLERANCE DISORDER

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

CARBON-13

CARBON-13 MAGNETIC RESONANCE STUDY OF STRUCTURAL AND DYNAMICAL FEATURES IN CARBAMYLATED INSULINS. Led JJ, Grant DM, Horton WJ, Sundby F, Vilhelmsen K *J Am Chem Soc* 97: 5997-6008, 15 Oct 75 (Eng)

CARBONYL CYANIDE

THE EFFECTS OF PHOSPHATE AND ELECTRON TRANSPORT ON THE CARBONYL CYANIDE M-CHLOROPHENYLHYDRAZONE-INDUCED ATPASE OF RAT-LIVER MITOCHONDRIA. Bertina RM, Slater EC *Biochim Biophys Acta* 376: 492-504, 20 Mar 75 (Eng)

CARBOXYKINASE, PHOSPHOENOLPYRUVATE

GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhos O,

CARBOXYLASE, ACETYL COA

Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

CARBOXYLASE, ACETYL COA

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-COA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroeff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

CARDIAC METABOLISM, DOG

EFFECTS OF BACTERIAL CARDIO-STIMULATING SUBSTANCE ON CARDIAC METABOLISM IN DOGS. Lui CT, Williams RP *Arch Int Pharmacodyn Ther* 211: 280-90, Oct 74 (Eng)

CARDIAC MUSCLE

GLUCAGON-INDUCED CHANGES IN THE ACTION, POTENTIAL, CONTRACTION, AND NA&-K&-ATPASE OF CARDIAC MUSCLE. Prasad K *Cardiovasc Res* 9: 355-65, May 75 (Eng)

CARDIAC PERFORMANCE

EFFECT OF PALMITATE ON HYPOXIC CARDIAC PERFORMANCE. Gmeiner R, Apstein CS, Brachfeld N *J Mol Cell Cardiol* 7: 227-35, Apr 75 (Eng)

CARDIAC SURGERY

ACUTE RENAL FAILURE: AN IMPORTANT COMPLICATION OF CARDIAC SURGERY IN INFANTS. Chesney RW, Kaplan BS, Freedom RM, Haller JA, Drummond KN *J Pediatr* 87: 381-8, Sep 75 (Eng)

CARDIO STIMULATING SUBSTANCE

EFFECTS OF BACTERIAL CARDIO-STIMULATING SUBSTANCE ON CARDIAC METABOLISM IN DOGS. Lui CT, Williams RP *Arch Int Pharmacodyn Ther* 211: 280-90, Oct 74 (Eng)

CARDIOMYOPATHY

CARDIOMYOPATHY—THE FREQUENTLY FORGOTTEN MIMIC: CLINICAL AND OPEN-CHEST MYOCARDIAL BIOPSY STUDIES. Fitzgibbon GM *Aviat Space Environ Med* 46: 1248-50, Oct 75 (Eng)

CARDIOTONIC AGENT

EFFECTS OF CONTINUOUS INFUSION OF CARDIOTONIC AGENTS ON ARTERIAL CATIONS AND GLUCOSE IN DOGS. Chow SY, Chen SM, Lin IL *Chin J Physiol* 21: 159-72, 31 Dec 73 (Eng)

CARDIOVASCULAR SYSTEM

[CLINICAL CORRELATION BETWEEN THE ENDOCRINE SYSTEM AND THE CARDIOVASCULAR SYSTEM. BETA-ADRENERGIC BLOCK IN ACUTE MYOCARDIAL INFARCT] Palma G, Nubile G *Boll Soc Ital Biol Sper* 50: 1433-9, 30 Sep 74 (Ita)

CARTILAGE

MEASUREMENT OF SOMATOMEDIN BY CARTILAGE IN VITRO. Daughaday WH, Phillips LS, Herrington AC *Methods Enzymol* 37 pt b: 93-109, 1975 (Eng)

CATARACT

PHYSIOLOGIC OPTIC APPROACH OF LENS AND CATARACT. Planten JT *Ophthalmologica* 171: 249-53, 1975 (Eng)

CATECHOLAMINE

GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Deleon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C *Chronobiologia* 1: Apr-Jun 74 (Eng)

THE CATECHOLAMINE-RESPONSIVE ADENYLATE CYCLASE SYSTEM AND ITS MODIFICATION BY SGUANLYLYLMIDODIPHOSPHATE. Schramm M *Adv Cyclic Nucleotide Res* 5: 105-15, 1975 (Eng)

CARBOHYDRATE METABOLISM AND ITS RESPONSE TO CATECHOLAMINES AS MODIFIED IN ALKALOTIC RAT. Yajima M, Uim *Am J Physiol* 228: 1046-52, Apr 75 (Eng)

CATECHOLAMINE DEGRADING ENZYME

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTEX AFTER ACUTE AND REPEATED STRESS. Kvetnansky R, Torda T, Jahnova E, Saleh N *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

CATION, ARTERIAL

EFFECTS OF CONTINUOUS INFUSION OF CARDIOTONIC AGENTS ON ARTERIAL CATIONS AND GLUCOSE IN DOGS. Chow SY, Chen SM, Lin IL *Chin J Physiol* 21: 159-72, 31 Dec 73 (Eng)

CATTLE, DAIRY

ON THE CAUSES AND EFFECTS OF VARIATIONS IN THE BLOOD PROFILE OF SWEDISH DAIRY CATTLE. Hewett C *Acta Vet Scand [Suppl]* 1-152, 1974 (Eng)

CELL, ANIMAL

NUCLEOSIDE-DIPHOSPHATE DERIVATIVES OF 2-DEOXY-D-GLUCOSE IN ANIMAL CELLS. Schmidt MFG, Schwarz RT, Scholtissek C *Eur J Biochem* 49: 237-47, 1 Nov 74 (Eng)

CELL CULTURE

AN EVALUATION OF TECHNIQUES FOR LABELLING THE SURFACE PROTEINS OF CULTURED MAMMALIAN CELLS. Juliano RL, Behar-Bannelier M *Biochim Biophys Acta* 375: 249-67, 28 Jan 75 (Eng)

THE USE OF INHIBITORS IN THE STUDY OF HORMONE MECHANISMS IN CELL CULTURE. Scott WA, Tomkins GM *Methods Enzymol* 40: 273-93, 1975 (Eng)

CELL, EMBRYO

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3:5 MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

CELL MEMBRANE

OBSERVATIONS ON THE BINDING OF ADENOSINE 3:5-MONOPHOSPHATE TO CELL MEMBRANE FRAGMENTS FROM OX CEREBRAL CORTEX. Weller M, Rodnight R *Biochim Biophys Acta* 389: 573-7, 21 May 75 (Eng)

TEMPERATURE DEPENDENCE OF THE ENERGY-LINKED MONOSACCHARIDE TRANSPORT ACROSS THE CELL MEMBRANE OF RHODORULA GRACILIS. Heller KB, Hofer M *J Membr Biol* 21: 261-71, 1975 (Eng)

CELL, MOUSE

GROWTH DEPENDENT 2-DEOXY-D-GLUCOSE UPTAKE IN TRANSFORMED AND NORMAL MOUSE CELLS. Martin-De Leon PA, Mukherjee BB *Can J Genet Cytol* 16: 823-30, Dec 74 (Eng)

CELL MULTIPLICATION

STUDIES ON HUMAN ADIPOSE CELLS IN CULTURE: RELATION OF CELL SIZE AND MULTIPLICATION TO DONOR AGE. Adebonojo FO *Yale J Biol Med* 48: 9-16, Mar 75 (Eng)

CELL, PARS INTERMEDIA

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

CELL PROLIFERATION

INITIATION OF CELL PROLIFERATION IN CULTURED MOUSE FIBROBLASTS BY PROSTAGLANDIN F2ALPHA. De Asua LJ, Clingan D, Rudland PS *Proc Natl Acad Sci USA* 72: 2724-8, Jul 75 (Eng)

CELL REGULATION MECHANISM

FILAMENTOUS PROTEIN MODEL FOR CYCLIC AMP-MEDIATED CELL REGULATORY MECHANISMS. Olsen RW *J Theor Biol* 49: 263-87, Feb 75 (Eng) [141]

CELL RESPIRATION

COUPLING OF GLYCINE AND ALANINE TRANSPORT TO RESPIRATION IN CELLS OF ESCHERICHIA COLI. Sprott GD, Dimock K, Martin WG, Schneider H *Can J Biochem* 53: 262-8, Mar 75 (Eng)

CELL, SOMATIC HYBRID

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS. Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG *Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

CELL SURFACE

VULNERABILITY OF CELL-SURFACE RECEPTORS TO AUTOIMMUNE REACTIONS. Carnegie PR, Mackay IR *Lancet* 2: 684-7, 11 Oct 75 (Eng)

CELL, ULTRASTRUCTURE

ULTRASTRUCTURE OF CELLS ISOLATED ENZYMICALLY FROM THE AORTA OF RABBITS WITH EXPERIMENTAL ATHEROSCLEROSIS. Rosnowski A, Hinec A *Pol Med Sci Hist Bull* 15: 387-98, Sep-Oct 74 (Eng)

Diabetes Literature—Keyword Index

CELLULAR CONTROL

CELLULAR CONTROL OF CALCIUM MOVEMENTS IN BONE. INTERRELATIONSHIPS OF THE BONE MEMBRANE, PARATHYROID HORMONE AND ALKALINE PHOSPHATASE. Ramp WK *Clin Orthop* 311-22, Jan-Feb 75 (Eng)

CELLULAR HYPERSENSITIVITY

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 71-5, May 74 (Eng)

CELLULAR LOCALIZATION

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

CELLULAR METABOLITE

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS *Eur J Biochem* 56: 375-83, 15 Aug 75 (Eng)

CELLULAR RESPONSE

EARLY CELLULAR RESPONSES TO DIVERSE GROWTH STIMULI INDEPENDENT OF PROTEIN AND RNA SYNTHESIS. Rubin H, Koide T *J Cell Physiol* 86: 47-58, Aug 75 (Eng)

CEREBELLUM, RAT

EFFECT OF X-IRRADIATION OF THE BIOCHEMICAL MATURATION OF RAT CEREBELLUM: METABOLISM OF [14C]GLUCOSE AND [14C]ACETATE. Patel AJ, Balazs R *Radiat Res* 62: 456-69, Jun 75 (Eng)

CEREBRAL CORTEX, OX

OBSERVATIONS ON THE BINDING OF ADENOSINE 3:5-MONOPHOSPHATE TO CELL MEMBRANE FRAGMENTS FROM OX CEREBRAL CORTEX. Weller M, Rodnight R *Biochim Biophys Acta* 389: 573-7, 21 May 75 (Eng)

CHANNA PUNCTATUS (BLOCH)

EFFECT OF ALLOXAN ADMINISTRATION UPON CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 88: 673-80, 1974 (Eng)

CHEMICAL WAVE

INSTABILITIES, OSCILLATIONS AND CHEMICAL WAVES IN AN OLIGOMERIC MODEL FOR MEMBRANE TRANSPORT. Blumenthal R *J Theor Biol* 49: 219-39, Jan 75 (Eng)

CHILD

[IMMUNOREACTIVE INSULIN IN CHILDREN FOLLOWING ORAL ADMINISTRATION OF CAFFEINE] Walczak M, Michalkiewicz M, Piontek E *Pediatr Pol* 50: 1119-23, Sep 75 (Pol)

MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiomello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

CHILD, DIABETIC

REGISTER OF NEWLY DIAGNOSED DIABETIC CHILDREN. Bloom A, Hayes TM, Gamble DR *Br Med J* 3: 580-3, 6 Sep 75 (Eng)

PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsson Z, Laros Z, Doron M, Keret R, Belinski Y, Weissmann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

[AMBULATORY MANAGEMENT OF THE DIABETIC CHILD (AUTHORS TRANSL.)] Hurter P *Monatsschr Kinderheilkd* 123: 711-7, Oct 75 (Ger)

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)

EMOTIONAL FACTORS IN JUVENILE DIABETES MELLITUS: A STUDY OF THE EARLY LIFE EXPERIENCES OF EIGHT DIABETIC CHILDREN. Stein SP, Charles ES *Psychosom Med* 37: 237-44, May-Jun 75 (Eng)

CHILD, DISABLED

[THE CHRONICALLY ILL AND DISABLED CHILD: A PSYCHOLOGIC TASK OF PEDIATRICS. PART II: SPECIAL PROBLEMS OF VARIOUS DISEASES (AUTHORS TRANSL.)] Borner S, Steinhäusen HC *Klin Paediatr* 187: 413-23, Sep 75 (Ger)

CHILDHOOD

CHRONIC PANCREATITIS IN CHILDHOOD ASSOCIATED WITH MUMPS VIRUS INFECTION. Wood CB, Bradbrook RA, Blumgart LH *Br J Clin Pract* 28: 67-9, Feb 74 (Eng)

CHILDHOOD AND DIET AS RELATED TO ATHEROSCLEROSIS. CAN THE PEDIATRICIAN HELP PROTECT AGAINST ADULT CORONARY ARTERY DISEASE? Laird WP *Clin Pediatr (Phila)* 14: 485-6, 491-4, May 75 (Eng)

[PHYSICAL EDUCATIONAL VIEWPOINTS ON THE PREVENTION OF OBESITY IN CHILDHOOD] Berndt I, Rehs HJ, Rutenfranz J *Orff Gesundheitswes* 37: 1-9, Jan 75 (Ger)

CHLORIDE FLUX

CHLORIDE FLUX IN BILAYER MEMBRANES: THE ELECTRICALLY SILENT CHLORIDE FLUX IN SEMISPHERICAL BILAYERS. Toyoshima Y, Thompson TE *Biochemistry* 14: 1518-24, 8 Apr 75 (Eng)

CHLORIDE FLUX IN BILAYER MEMBRANES: CHLORIDE PERMEABILITY IN AQUEOUS DISPERSIONS OF SINGLE-WALLED, BILAYER VESICLES. Toyoshima Y, Thompson TE *Biochemistry* 14: 1525-31, 8 Apr 75 (Eng)

CHLORIDE PERMEABILITY

CHLORIDE FLUX IN BILAYER MEMBRANES: CHLORIDE PERMEABILITY IN AQUEOUS DISPERSIONS OF SINGLE-WALLED, BILAYER VESICLES. Toyoshima Y, Thompson TE *Biochemistry* 14: 1525-31, 8 Apr 75 (Eng)

M-CHLOROPHENYLHYDRAZONE

THE EFFECTS OF PHOSPHATE AND ELECTRON TRANSPORT ON THE CARBONYL CYANIDE M-CHLOROPHENYL-

CHOLESTEROL TOTAL, SERUM

HYDRAZONE-INDUCED ATPASE OF RAT-LIVER MITOCHONDRIA. Bertina RM, Slater EC *Biochim Biophys Acta* 376: 492-504, 20 Mar 75 (Eng)

CHOLECYSTOKININ

EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG. Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)

CHOLECYSTOKININ METABOLISM IN MAN AND DOGS. Thompson JC, Fender HR, Ramus NI, Villar HV, Rayford PL *Ann Surg* 182: 496-504, Oct 75 (Eng)

CHOLECYSTOKININ PANCREOZYMIN

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL.)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

CHOLESTEROL

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

[MORPHOLOGICAL AND HISTOCHEMICAL RESEARCH OF THE RABBIT AORTA WITH EXPERIMENTAL CHOLESTEROL ATHEROMASIA AND ALLOXAN DIABETES (AUTHORS TRANSL.)] Stepień A, Hanzik J, Lopatynski J, Wolanski I *Ann Univ Mariae Curie Skłodowska [Med]* 29: 157-67, 1974 (Pol)

EFFECT OF DIETARY PROTEIN AND CHOLESTEROL ON ATHEROSCLEROSIS IN SWINE. Gupta PP, Tandon HD, Ramalingaswami V *Exp Mol Pathol* 22: 305-16, Jun 75 (Eng)

ATHEROSCLEROSIS IN FAMILIAL LINES OF PIGEONS FED EXOGENOUS CHOLESTEROL. Patton NM, Brown RV, Middleton CC *Atherosclerosis* 21: 147-54, Mar-Apr 75 (Eng)

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. Kokatnur MG, Malcom GT, Eggen DA, Strong JP *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

CHOLESTEROL FEEDING

RABBIT AORTIC HISTAMINE SYNTHESIS FOLLOWING SHORT-TERM CHOLESTEROL FEEDING. Hollis TM, Sloss RJ *Atherosclerosis* 21: 125-34, Mar-Apr 75 (Eng)

CHOLESTEROL, PLASMA

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangnekar PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

CHOLESTEROL TOTAL, SERUM

BLOOD GLUCOSE, TOTAL SERUM CHOLESTEROL AND TOTAL BILIRUBIN LEVELS OF RATS FOLLOWING EXTRA-TESTINAL MIGRATION OF STRONGYLOIDES VENEZUELENSIS (BRUMPT, 1934).

Diabetes Literature—Keyword Index

CHOLINERGIC SYSTEM

Petriello RP, Hardy SM *Comp Biochem Physiol* [B] 50: 537-40, 15 Apr 75 (Eng)

CHOLINERGIC SYSTEM

ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS. Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)

CHORIONIC GONADOTROPIN

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spellacy WN, Conly PW, Cleveland WW, Buhl WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

CHROMOSOMAL PATTERN

SIMULTANEOUS OCCURRENCE OF DIABETES, LIVER CIRRHOSIS, AND 47, XX,21 & /46, XX CHROMOSOMAL PATTERN. Barta L, Kemeny P, Regoly-Merei A *Arch Dis Child* 50: 573-4, Jul 75 (Eng)

CHRONICALLY ILL

[THE CHRONICALLY ILL AND DISABLED CHILD: A PSYCHOLOGIC TASK OF PAEDIATRICS. PART II: SPECIAL PROBLEMS OF VARIOUS DISEASES (AUTHORS TRANSL.)] Borner S, Steinhausen HC *Klin Paediatr* 187: 413-23, Sep 75 (Ger)

CIGARETTE EFFECT

[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)

CIRCADIAN RHYTHM

FACTORS INFLUENCING THE CIRCADIAN PERIODICITY OF PLASMA CORTICOSTEROID LEVELS. Krieger DT *Chronobiologia* 1: 195-216, Apr-Jun 74 (Eng) [100]

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, *ONCORHYNCHUS NERKA*. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol* [A] 47: 821-8, 1 Mar 74 (Eng)

CIRCULAR DICHROISM

THE RELATION OF CONFORMATION AND ASSOCIATION OF INSULIN TO RECEPTOR BINDING: X-RAY AND CIRCULAR-DICHROISM STUDIES ON BOVINE AND HYSTRICOMORPH INSULINS. Wood SP, Blundell TL *Eur J Biochem* 55: 531-42, 15 Jul 75 (Eng)

STUDIES ON POLYPEPTIDES. VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Hedling LG, Larsen UD *Hoppe Seyler's Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

CIRCULAR DICHROISM OF ERYTHROCYTE MEMBRANE GLYCOPROTEINS. Decker RV, Carraway KL *Biochim Biophys Acta* 386: 52-61, 28 Mar 75 (Eng)

CIRCULATION

OSMOLAR CONTROL OF THE CIRCULATION IN HEMORRHAGIC HYPOTENSION. AN EXPERIMENTAL STUDY IN THE CAT. Jarhult J *Acta Physiol Scand* [Suppl] 1-84, 1975 (Eng)

CIRCULATION, EXTRACORPOREAL

[PLASMA DILUENT USED IN EXTRACORPOREAL CIRCULATION - WITH SPECIAL REFERENCE TO THE CHANGES IN GLUCOSE AND ELECTROLYTE LEVELS] Kikuchi H *J Jpn Assoc Thorac Surg* 22: 1112-6, Nov 74 (Jpn)

CIRRHOSIS, LIVER

CARBOHYDRATE METABOLISM IN PATIENTS WITH ALCOHOLIC LIVER CIRRHOSIS. Kinalska I, Raimier M *Mater Med Pol* 7: 200-3, Jul-Sep 75 (Eng)

SIMULTANEOUS OCCURRENCE OF DIABETES, LIVER CIRRHOSIS, AND 47, XX,21 & /46, XX CHROMOSOMAL PATTERN. Barta L, Kemeny P, Regoly-Merei A *Arch Dis Child* 50: 573-4, Jul 75 (Eng)

CITRATE CLEAVAGE PATHWAY

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS. Belfiore F, Rabuazzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

CLINITEST

[DETERMINATION OF GLUCOSE IN URINE. COMPARISON BETWEEN TESTAPE, CLINITEST, FERMENTATION, SACCHAROMETER AND AUTOANALYZER] Kragh PL, Madsen HG *Ugeskr Laeger* 137: 2308-12, 29 Sep 75 (Dan)

CLOBETASONE BUTYRATE

CLOBETASONE BUTYRATE, A NEW TOPICAL CORTICOSTEROID: CLINICAL ACTIVITY AND EFFECTS ON PITUITARY-ADRENAL AXIS FUNCTION AND MODEL OF EPIDERMAL ATROPHY. Munro DD, Wilson L *Br Med J* 3: 626-8, 13 Sep 75 (Eng)

CLOFIBRATE

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

COFFEE DRINKING

COFFEE DRINKING AND CANCER OF THE LOWER URINARY TRACT. Simon D, Yen S, Cole P *J Natl Cancer Inst* 54: 587-91, Mar 75 (Eng)

COLD ADAPTED RAT

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED RATS. Kuroshima A, Doi K, Kurahashi M, Ono T *Jpn J Physiol* 25: 275-85, 1975 (Eng)

COLD EXPOSURE

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL *J Appl Physiol* 38: 236-40, Feb 75 (Eng)

COLESTIPOL

HYPOCHOLESTEROLEMIC ACTIVITY OF COLESTIPOL IN DIABETES. Bandiside MS, Boshell BR *Curr Ther Res* 18: 276-84, Aug 75 (Eng)

COLICIN ACTION

ENERGY REQUIREMENT FOR THE INITIATION OF COLICIN ACTION IN *ESCHERICHIA COLI*. Jettten AM, Jettten ME *Biochim Biophys Acta* 387: 12-22, 14 Apr 75 (Eng)

COLLAGEN, HUMAN

APPARENT ACCELERATED AGING OF HUMAN COLLAGEN IN DIABETES MELLITUS. Hamlin CR, Kohn RR, Luschn JH *Diabetes* 24: 902-4, Oct 75 (Eng)

COLORIMETRIC DETERMINATION

A COLORIMETRIC METHOD FOR THE DETERMINATION OF DEOXYRIBONUCLEIC ACID IN ADIPOSE TISSUE. Curtis-Prior PB, Hanley T, Temple NJ *Analyst* 100: 106-10, Feb 75 (Eng)

COLORIMETRIC METHOD

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Ninomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

COMA DIABETICUM

[COMA DIABETICUM AND INTRAUTERINE FETAL DEATH. THERAPEUTIC CONSIDERATIONS ON HAND OF A CLINICAL CASE (AUTHORS TRANSL.)] Muck BR *Geburthshilfe Frauenheilkd* 35: 717-20, Sep 75 (Ger)

COMA, NONKETOTIC HYPERGLYCEMIC HYPEROSMOLAR

CLOSED HEAD INJURY COMPLICATED BY NONKETOTIC HYPERGLYCEMIC HYPEROSMOLAR COMA. Park BE, Hester RW, Netsky MG *Surg Neurol* 4: 330-2, Sep 75 (Eng)

CONCENTRATION, PLASMA

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

CONGENITAL ABNORMALITY

[BIOCHEMICAL AND CLINICAL FINDINGS IN CONGENITAL ABNORMALITIES OF GALACTOSE METABOLISM (AUTHORS TRANSL.)] Sitzmann FC, Kaloud H, Istvan L *Wien Klin Wochenschr* 87: 12-8, 10 Jan 75 (Ger)

CONNECTIVE TISSUE

A STUDY OF CONNECTIVE TISSUE MACROMOLECULES IN SKIN OF MICE WITH GOLDTHIOGLUCOSE-INDUCED OBESITY. Dalfres ER Jr, Radhakrishnamurthy

B, Crouch MS, Berenson GS *Proc Soc Exp Biol Med* 148: 918-24, Mar 75 (Eng)

CONTRACEPTIVE, INJECTABLE

THE DESIGN AND EVALUATION OF FIELD TRIALS OF INJECTABLE CONTRACEPTIVES. Rowe PJ *J Steroid Biochem* 6: 921-4, Jun 75 (Eng)

CONTRACEPTIVE STEROID

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

ALTERATIONS OF LIPID METABOLISM BY CONTRACEPTIVE STEROIDS. Beck P *J Steroid Biochem* 6: 957-9, Jun 75 (Eng) [58]

CONTRACTILE ACTIVITY

A COMPARISON OF THE EFFECTS OF OUBAIN ON SUGAR AND SODIUM TRANSPORT AND ON CONTRACTILE ACTIVITY OF ISOLATED ATRIA. Bihler I, Sawh PC *Proc West Pharmacol Soc* 18: 106-9, 1975 (Eng)

CORMELIAN DIGOTAB

[THERAPY OF CORONARY HEART DISEASE USING CORMELIAN-DIGOTAB. RESULTS OF A DOUBLE BLIND STUDY] Messerich J *Fortschr Med* 92: 1367-71, 21 Nov 74 (Ger)

CORONARY ARTERY DISEASE

CHILDHOOD AND DIET AS RELATED TO ATHEROSCLEROSIS. CAN THE PEDIATRICIAN HELP PROTECT AGAINST ADULT CORONARY ARTERY DISEASE. Laird WP *Clin Pediatr (Phila)* 14: 485-6, 491-4, May 75 (Eng)

CORONARY ARTERY, PIG

CYCLIC NUCLEOTIDE PHOSPHODIESTERASE ACTIVITIES OF PIG CORONARY ARTERIES. Wells JN, Baird CE, Wu YJ, Hardman JG *Biochim Biophys Acta* 384: 430-42, 19 Apr 75 (Eng)

FAILURE OF FREE FATTY ACIDS TO INFLUENCE DEGREE OF MYOCARDIAL INJURY FOLLOWING ACUTE CORONARY ARTERY OCCLUSION IN PIGS. Most AS, Capone RJ, Szydluk P, Bruno CA, DeVona TS *Cardiology* 59: 201-12, 1974 (Eng)

CORONARY DISEASE

[COURSE OF CORONARY DISEASE. EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY] Kugler G, Johannes E, Rodiger W, Westermann KW *Z Kardiol* 64: 245-54, Mar 75 (Ger)

[THERAPY OF CORONARY HEART DISEASE USING CORMELIAN-DIGOTAB. RESULTS OF A DOUBLE BLIND STUDY] Messerich J *Fortschr Med* 92: 1367-71, 21 Nov 74 (Ger)

CORONARY INSUFFICIENCY

[INCIDENCE OF HYPERURICEMIA AND GOUT IN CORONARY INSUFFICIENCY FROM ANGINA PECTORIS TO MYOCARDIAL INFARCT] May V, Robert H *Rev Rhum Mal Osteoarthr* 42: 467-70, Jul-Sep 75 (Fre)

[COURSE OF CORONARY DISEASE. EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY] Kugler G, Johannes E, Rodiger W, Westermann KW *Z Kardiol* 64: 245-54, Mar 75 (Ger)

CORTEX, KIDNEY

MUTAROTASE (ALDOSE 1-EPIMERASE) FROM KIDNEY CORTEX. Bailey JF, Fishman PH, Kusiak JW, Mulhern S, Pentchev PG *Methods Enzymol* 41: 471-84, 1975 (Eng)

CORTEX, RAT ADRENAL

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTEX AFTER ACUTE AND REPEATED STRESS. Kvetnansky R, Torda T, Jahnova E, Saleh N *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

CORTICOSTEROID, PLASMA

FACTORS INFLUENCING THE CIRCADIAN PERIODICITY OF PLASMA CORTICOSTEROID LEVELS. Krieger DT *Chronobiologia* 1: 195-216, Apr-Jun 74 (Eng) [100]

CORTICOSTEROID, TOPICAL

CLOBETASONE BUTYRATE, A NEW TOPICAL CORTICOSTEROID: CLINICAL ACTIVITY AND EFFECTS ON PITUITARY-ADRENAL AXIS FUNCTION AND MODEL OF EPIDERMAL ATROPHY. Munro DD, Wilson L *Br Med J* 3: 626-8, 13 Sep 75 (Eng)

CORTICOSTERONE

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)

INHIBITORY EFFECT OF OUBAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMISH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

CORTISOL

UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybalski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMISH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

COUPLING

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firsiroti E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

COUPLING MECHANISM

MITOCHONDRIA FROM HUMAN TERM PLACENTA. II. CHARACTERIZATION OF RESPIRATORY PATHWAYS AND COUPLING MECHANISMS. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 436-45, 20 Mar 75 (Eng)

CRAYFISH

BLOOD GLUCOSE IN CRAYFISH—I. VARIATIONS ASSOCIATED WITH MOLTING. Telford M *Comp Biochem Physiol [A]* 47: 461-8, 1 Feb 74 (Eng)

CREATININE, SERUM

LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)

CROP SAC, PIGEON

EFFECT OF PROLACTIN ON LIPOPROTEIN LIPIASE IN CROP SAC AND ADIPOSE TISSUE OF PIGEONS. Garrison MM, Scow RO *Am J Physiol* 228: 1542-4, May 75 (Eng)

CULTURE

MONOLAYER CULTURES OF DISAGGREGATED HUMAN ADIPOCYTES. Adebajo FO *In Vitro* 11: 50-4, Jan-Feb 75 (Eng)

CULTURE, CELL

THE USE OF INHIBITORS IN THE STUDY OF HORMONE MECHANISMS IN CELL CULTURE. Scott WA, Tomkins GM *Methods Enzymol* 40: 273-93, 1975 (Eng)

CULTURE, MAMMALIAN CELL

AN EVALUATION OF TECHNIQUES FOR LABELLING THE SURFACE PROTEINS OF CULTURED MAMMALIAN CELLS. Juliano RL, Behar-Bannelier M *Biochim Biophys Acta* 375: 249-67, 28 Jan 75 (Eng)

CULTURE, MONOLAYER

MONOLAYER CULTURES OF DISAGGREGATED HUMAN ADIPOCYTES. Adebajo FO *In Vitro* 11: 50-4, Jan-Feb 75 (Eng)

CULTURE, PRIMARY

AMINOISOBUTYRIC ACID TRANSPORT IN PRIMARY CULTURES OF NORMAL ADULT RAT HEPATOCYTES. Ayala E, Canonico PG *Proc Soc Exp Biol Med* 149: 1019-22, Sep 75 (Eng)

CULTURED EXPLANT

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)

CURRENT-VOLTAGE

CURRENT-VOLTAGE RELATIONS IN NERVE MEMBRANES. Bass L *J Theor Biol* 48: 133-40, Nov 74 (Eng)

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CYCLIC NUCLEOTIDE

CYCLIC NUCLEOTIDE

MODULATION OF MACROPHAGE FC RECEPTOR EXPRESSION IN VITRO BY INSULIN AND CYCLIC NUCLEOTIDES. Rhodes J *Nature* 257: 597-9, 16 Oct 75 (Eng)

THE LAST CONVERSATION WITH DR. EARL W. SUTHERLAND, JR: THE FEEDBACK REGULATION OF CYCLIC NUCLEOTIDES. Ho RJ, Russell T, Asakawa T *Metabolism* 24: 257-64, Mar 75 (Eng)

TYPIST: EFFECT OF GLUCOSE AND CYCLIC NUCLEOTIDES ON THE TRANSCRIPTION OF ALPHA-AMYLASE MRHA IN *BACILLUS SUBTILIS*. Priest FG *Biochem Biophys Res Commun* 63: 606-10, 7 Apr 75 (Eng)

CYNARIN

[CONTROLLED APPLICATION OF CYNARIN IN THE TREATMENT OF HYPERLIPIDEMIC SYNDROME. OBSERVATIONS IN 60 CASES] Montini M, Levoni P, Ongaro A, Pagani G *Arzneim Forsch* 25: 1311-4, Aug 75 (Ger)

CYTOCHROME C

BILAYER STRUCTURE IN PHOSPHOLIPID-CYTOCHROME C MODEL MEMBRANES. Shui-Pong-Van, Griffith OH *J Membr Biol* 20: 155-70, 1975 (Eng)

CYTOLOGY

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

DEATH

[HEART DEATH AND ORAL ANTIDIABETICS; THE LAST JUDGEMENT] Toubert JL *Ned Tijdschr Geneesk* 119: 1506-8, 27 Sep 75 (Dut)

DEBRANCHING ENZYME

THE METABOLIC ROLE OF DEBRANCHING ENZYMES. Palmer TN, Wober G *Biochem Soc Trans* 3: 53-6, 1975 (Eng)

DECARBOXYLASE, ORNITHINE

REGULATION OF THYROID ORNITHINE ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN. I. THE RAT. Richman R, Park S, Akbar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)

DEFECT, NATURE

ABNORMAL RED CELL METABOLISM IN PATIENTS WITH CHRONIC UREMIA: NATURE OF THE DEFECT AND ITS PERSISTENCE DESPITE ADEQUATE HEMODIALYSIS. Yawata Y, Jacob HS *Blood* 45: 231-9, Feb 75 (Eng)

DEFECT, SECONDARY

[GRANULOCYTE DYSFUNCTION. PART II. SECONDARY DEFECTS. (AUTHORS TRANSL.)] Niehammer D, Wildfeuer A, Kleihauer E, Haferkamp O *Klin Wochenschr* 53: 739-46, 15 Aug 75 (Ger)

DEHYDROGENASE, BETA HYDROXYBUTYRATE

[RECENT DATA ON D(MINUS) BETA-HYDROXYBUTYRATE DEHYDROGENASE OF RAT LIVER MITOCHONDRIA] Latruffe N, Gau-

demer Y *C R Soc Biol (Paris)* 168: 848-56, 1974 (Fre)

DEHYDROGENASE, GLUCOSE-6-PHOSPHATE

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

ROLE OF ELEVATED GLUCOSE CONCENTRATIONS IN THE HEMOLYSIS OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT ERYTHROCYTES (38474). Glader BE *Proc Soc Exp Biol Med* 148: 50-3, Jan 75 (Eng)

DEHYDROGENASE, LACTIC

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

DENTAL EDUCATION

COMMON MEDICAL EMERGENCIES: A DILEMMA IN DENTAL EDUCATION. Hendler BH, Rose LF *J Am Dent Assoc* 91: 575-82, Sep 75 (Eng)

DENTAL MANAGEMENT

THE DENTAL MANAGEMENT OF PATIENTS WITH MEDICAL PROBLEMS. Cohen L *NY State Dent J* 41: 470-5, Oct 75 (Eng)

2-DEOXY-D-GLUCOSE

GROWTH DEPENDENT 2-DEOXY-D-GLUCOSE UPTAKE IN TRANSFORMED AND NORMAL MOUSE CELLS. Martin-De Leon PA, Mukherjee BB *Can J Genet Cytol* 16: 823-30, Dec 74 (Eng)

NUCLEOSIDE-DIPHOSPHATE DERIVATIVES OF 2-DEOXY-D-GLUCOSE IN ANIMAL CELLS. Schmidt MFG, Schwarz RT, Scholtissek C *Eur J Biochem* 49: 237-47, 1 Nov 74 (Eng)

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3:5 MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

AN ASSESSMENT OF THE REPRODUCIBILITY AND SAFETY OF 2-DEOXY-D-GLUCOSE AS A GASTRIC ACID STIMULANT IN DUODENAL ULCER PATIENTS. Gough AL, Keddie NC *Gut* 16: 171-5, Mar 75 (Eng)

11-DEOXYPROSTAGLANDIN

STIMULATION OF CYCLIC AMP FORMATION IN THE ANTERIOR PITUITARY BY 11-DEOXYPROSTAGLANDINS AND THEIR ANALOGUES. Lippmann W *Pharmacol Res Commun* 6: 595-601, Dec 74 (Eng)

DEOXYRIBONUCLEIC ACID

A COLORIMETRIC METHOD FOR THE DETERMINATION OF DEOXYRIBONUCLEIC ACID IN ADIPOSE TISSUE. Curtis-Prior PB,

Hanley T, Temple NJ *Analyst* 100: 106-10, Feb 75 (Eng)

DEOXYRIBONUCLEIC ACID SYNTHESIS

EFFECT OF POLYCLONAL B-CELL ACTIVATORS ON DNA SYNTHESIS IN FIBROBLASTS. Persson U, Moller G *Scand J Immunol* 4: 527-34, Sep 75 (Eng)

THE EFFECT OF AGE ON DEOXYRIBONUCLEIC ACID SYNTHESIS IN RAT ADIPOSE TISSUE. Lewis BM, Hayes TM *Clin Sci Mol Med* 48: 323-5, Apr 75 (Eng)

DEPROTEINIZATION

THERMOCHEMICAL DETERMINATION OF GLUCOSE IN SERUM, PLASMA, AND WHOLE BLOOD WITHOUT PRIOR DEPROTEINIZATION. McGlothlin CD, Jordan J *Clin Chem* 21: 741-5, May 75 (Eng)

DERMATITIS HERPETIFORMIS

DERMATITIS HERPETIFORMIS AND SMALL INTESTINAL LESION--NO STRICT ASSOCIATION IN GERMAN PATIENTS. Rupp H, Weidner F, Domschke S, Domschke W, Classen M, Hornstein OP *Acta Hepatogastroenterol (Stuttg)* 22: 105-11, Apr 75 (Eng)

DERMATOMYCOSIS

[LETTER: TERRAIN FACTORS AND DERMATOMYCOSIS] Gotz H *Hautarzt* 26: 341, Jun 75 (Ger)

DETECTION

EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)

NASAL MUCORMYCOSIS: EARLY DETECTION AND TREATMENT WITHOUT RADICAL SURGERY OR AMPHOTERICIN B. Pollock RA, Pratt RC, Shulman JA, Turner JS *South Med J* 68: 1279-82, Oct 75 (Eng)

DEUTERIUM

PREPARATION OF PHOSPHOENOLPYRUVATE AND PYRUVATE SPECIFICALLY LABELED WITH DEUTERIUM AND TRITIUM. Rose IA *Methods Enzymol* 41: 110-5, 1975 (Eng)

DEXAMETHASONE EFFECT

EFFECT OF DEXAMETHASONE ON THE SECRETION OF THYROTROPIN IN THE RAT: DOSE AND TIME RELATIONS. Ranta T *Endocrinology* 96: 1566-70, Jun 75 (Eng)

DEXTROSTIX

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Taucush HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng)

[COMPARATIVE DETERMINATION OF BLOOD SUGAR USING DEXTROSTIX AND REFLECTORIC MEASUREMENT] Buhring M, Keller H *Med Welt* 26: 390-2, 28 Feb 75 (Ger)

DEXTROSTIX TECHNIC

[COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANN'S GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQUES DURING THE

Diabetes Literature—Keyword Index

DIABETIC PATIENT

DIABETIC

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficarra AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

PLASMA GLYCOSPHINGOLIPIDS IN DIABETICS AND NORMALS. Kremer GJ, Atzpodien W, Schnellbacher E *Klin Wochenschr* 53: 637-8, 1 Jul 75 (Eng)

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Batchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

CHRONICALLY IMPAIRED AUTOREGULATION OF CEREBRAL BLOOD FLOW IN LONG-TERM DIABETICS. Bentzen N, Larsen B, Lassen NA *Stroke* 6: 497-502, Sep-Oct 75 (Eng)

[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)

[DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich IuV, Minkovich BM *Ark Patol* 37: 3-13, 1975 (Rus)

DIABETIC CLINIC, BRITISH

SURVEY OF DIETARY POLICY AND MANAGEMENT IN BRITISH DIABETIC CLINICS. Truswell AS, Thomas BJ, Brown AM *Br Med J* 4: 7-11, 4 Oct 75 (Eng)

DIABETIC, GESTATIONAL

HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)

DIABETIC, MALE

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geithovell W, Niedergörke U, Morgner KD, Wills B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

DIABETIC, NEWLY DIAGNOSED

REGISTER OF NEWLY DIAGNOSED DIABETIC CHILDREN. Bloom A, Hayes TM, Gamble DR *Br Med J* 3: 580-3, 6 Sep 75 (Eng)

THE INFLUENCE OF DIABETIC REGULATION ON THE DIURNAL VARIATION IN BLOOD AND THE URINARY EXCRETION OF KETONE BODIES. STUDIES IN NEWLY DIAGNOSED DIABETICS. Wildenhoff KE *Acta Med Scand* 198: 127-33, Jul-Aug 75 (Eng)

DIABETIC PATIENT

STRUCTURE AND BIOLOGICAL FUNCTIONS OF HUMAN IGD. V. INSULIN ANTIBODIES OF THE IGD CLASS IN SERA FROM SOME DIABETIC PATIENTS. Lertora JJ, Gomez-Perez FJ, Leslie GA *Int Arch Allergy Appl Immunol* 49: 597-606, 1975 (Eng)

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT: VELOCITY OF SENSORY AND MOTOR CONDUCTION IN

ORAL GLUCOSE TOLERANCE TEST] Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)

DIABETES

CLINICAL TRIAL OF GLIBORNURIDE IN DIABETES. Logie AW, Stowers JM *Br Med J* 3: 514-5, 30 Aug 75 (Eng)

HYPOCHOLESTEROLEMIC ACTIVITY OF COLESTIPOL IN DIABETES. Bandisod MS, Boshell BR *Curr Ther Res* 18: 276-84, Aug 75 (Eng)

DETERIORATION OF THE MICROCIRCULATION IN DIABETES. McMillan DE *Diabetes* 24: 944-57, Oct 75 (Eng) [168]

[USE OF TOLBUTAMIDE IN DIABETES AND PREGNANCY] Villanueva Gasca A, Maria Garcia L, Lopez Villegas J, Nunez E *Ginecol Obstet Mex* 38: 133-7, Aug 75 (Spa)

[CONTROL OF DIABETES BY DIET ALONE IN PATIENTS RECEIVING ORAL HYPOLYCEMIC DRUGS] Dreyfuss G, Canani Z *Harefuah* 89: 254-6, 16 Sep 75 (Heb)

GLUCORECEPTORS, INSULIN RELEASE, AND DIABETES. Anonymous *Lancet* 2: 646-7, 4 Oct 75 (Eng)

REVERSIBLE ABNORMALITIES IN POSTHEPARIN LIPOLYTIC ACTIVITY DURING THE LATE PHASE OF RELEASE IN DIABETES MELLITUS (POSTHEPARIN LIPOLYTIC ACTIVITY IN DIABETES). Brunzell JD, Porte D Jr, Bierman EL *Metabolism* 24: 1123-37, Oct 75 (Eng)

[HIGHLY PURIFIED INSULINS IN THE MODERN TREATMENT OF DIABETES] Woelckhaus JW *Med Klin* 70: 1401-7, 5 Sep 75 (Ger) [49]

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)

[LETTER: CUTANEOUS MICROANGIOPATHY, A SIGN OF DEVELOPMENT OF DIABETES] Romani JD *Nouv Presse Med* 4: 2037, 30 Aug-Sep 75 (Fre)

[LETTER: CUTANEOUS MICROANGIOPATHY OF DIABETES FOLLOWING HEMOCHROMATOSIS] Romani JD *Nouv Presse Med* 4: 2116 (1), 13 Sep 75 (Fre)

VIRUSES IN EXPERIMENTAL AND HUMAN DIABETES. Taylor KW *Postgrad Med J* 50 SUPPL 3: 546-8, Aug 74 (Eng)

EFFECT OF DIABETES ON GOLD THIOGLUCOSE LESIONS IN RATS. Kellar KJ, Sterling GH, O'Neill JJ *Proc West Pharmacol Soc* 18: 380-3, 1975 (Eng)

[EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PANCREATICTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Rietti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)

[EDITORIAL: ADVANCED DIABETES AND THE AUTONOMIC NERVOUS SYSTEM] Juell Christensen N, Gundersen HJ *Ugeskr Laeger* 137: 2207-8, 15 Sep 75 (Dan)

DIABETES, A TWENTY YEAR MORTALITY STUDY. Goodkin G *Trans Assoc Life Ins Med Dir Am* 58: 217-71, 1975 (Eng)

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

SIMULTANEOUS OCCURRENCE OF DIABETES, LIVER CIRRHOSIS, AND 47, XX,21 & 46, XX CHROMOSOMAL PATTERN.

Barta L, Kemeny P, Regoly-Merei A *Arch Dis Child* 50: 573-4, Jul 75 (Eng)

DIABETES, CHEMICALLY INDUCED

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYLPREDNISOLONE. Issekutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

DIABETES, EXPERIMENTAL

A NEW METHOD FOR THE PRODUCTION OF EXPERIMENTAL DIABETES IN RABBITS. Pakrashi A, Mukherjee SK *J Endocrinol* 66: 147-50, Aug 75 (Eng)

DIABETES INSIPIDUS, HEREDITARY

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

DIABETES, LATENT

[EXPERIMENTAL PREDIABETES AND LATENT DIABETES IN RATS FOR A 1-YEAR-PERIOD AFTER PANCREATICTOMY AD D.CHOLEDOLCHUM] Korec R *Cesk Fysiol* 24: 331-5, 1975 (Slo)

DIABETES, LIGHT

[LETTER: LYOPHILIZED PANCREATIC EXTRACT, A THERAPEUTIC ADJUVANT OF LIGHT DIABETES] Klotz HP *Nouv Presse Med* 4: 2333, 4 Oct 75 (Fre)

DIABETES MELLITUS, CANINE

FAMILIAL CANINE DIABETES MELLITUS. Gershwin LJ *J Am Vet Med Assoc* 167: 479-80, 15 Sep 75 (Eng)

DIABETES MELLITUS DEVELOPMENT

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

DIABETES, PEDIATRIC

PEDIATRIC DIABETES: A NEW TEACHING APPROACH. Leahy MD, Logan SA, McArthur RG *Can Nurse* 71: 18-20, Oct 75 (Eng)

DIABETES, PRIMARY

[SJOGRENS SYNDROME WITH PROGRESSIVE SYSTEMIC SCLEROSIS AND PRIMARY DIABETES IN A 12-YEAR-OLD GIRL] Wesolowska H, Ludwicka H, Ferdynus J *Reumatologia* 13: 215-9, 1975 (Pol)

DIABETES RESEARCH

[NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLANTATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)

[NEW RESULTS IN DIABETES RESEARCH] Schweisheimer W *Med Lab (Stuttg)* 28: 132-4, Jun 75 (Ger)

Diabetes Literature—Keyword Index

DIABETIC RAT

THE LOWER AND UPPER EXTREMITIES: H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Esp* 138: 445-52, 15 Sep 75 (Spa)

DIABETIC RAT

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)

DEPRESSED DUODENAL CALCIUM ABSORPTION IN THE DIABETIC RAT: RESTORATION BY SOLANUM MALACOXYLON. Schneider LE, Wasserman RH, Schedl HP *Endocrinology* 97: 649-53, Sep 75 (Eng)

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

MESANGIAL CHANGES OF THE RENAL GLOMERULUS IN LONG-TERM DIABETIC RATS. Anjo A, Couturier E *Pathol Eur* 10: 21-7, 1975 (Eng)

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irujo O, Foglia VG *Rev Soc Argent Biol* 48: 49: 48-60, Apr 72-Nov 73 (Spa)

DIABETIC RETINOPATHY, PROLIFERATIVE

PRECAUTIONS IN PHOTOCOAGULATING PROLIFERATIVE DIABETIC RETINOPATHY. Siam AL *Bull Ophthalmol Soc Egypt* 67: 113-18, 1974 (Eng)

DIABETIC SUBJECT

[EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS. Belfiore F, Rabuazzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

DIABETOGENIC PROTEIN

IN VITRO LIPOLYTIC EFFECT OF BOVINE PITUITARY DIABETOGENIC PROTEIN. Tutwiler GF *Biochim Biophys Acta* 404: 18-29, 8 Sep 75 (Eng)

DIABETOLOGY

[LETTER: PRACTICAL IMPORTANCE OF SORBITOL IN DIABETOLOGY] Heraud G, Roux E, Stach JL *Nouv Presse Med* 4: 2113 (2), 13 Sep 75 (Fre)

DIALYSIS

PLASMA ALDOSTERONE IN ANEPHRIC AND NON-NEPHRECTOMIZED DIALYSIS PATIENTS IN RELATION TO CHANGES IN PLASMA POTASSIUM WITHOUT CHANGE IN TOTAL POTASSIUM BALANCE. Olgaard K *Acta Med Scand* 198: 213-8, Sep 75 (Eng)

DIALYSIS APPARATUS

A DIALYSIS APPARATUS FOR MEASURING PERMEATION RATES THROUGH POLYMER FILMS. Little CM, Osterhout HW *Ion Exch Membr* 1: 75-80, Dec 72 (Eng)

DIAPHRAGM, RAT

STIMULATION OF SUGAR TRANSPORT IN RAT DIAPHRAGM BY 8-BROMOGUANOSINE 3, 5-MONOPHOSPHATE. Pinkett MO, Perlman RL *Biochim Biophys Acta* 399: 473-7, 13 Aug 75 (Eng)

DIARRHEA, NEONATAL CALF

CHANGES IN PLASMA GLUCOSE AND LACTATE CONCENTRATIONS AND ENZYME ACTIVITIES IN THE NEONATAL CALF WITH DIARRHEA. Lewis LD, Phillips RW, Elliott CD *Am J Vet Res* 36: 413-6, Apr 75 (Eng)

DIAZEPAM

SERUM GROWTH HORMONE, SERUM IMMUNOREACTIVE INSULIN AND BLOOD GLUCOSE RESPONSE TO ORAL AND INTRAVENOUS DIAZEPAM IN MAN. Syvalahti EK, Kanto JH *Int J Clin Pharmacol Biopharm* 12: 74-82, Jul 75 (Eng)

DIAZOXIDE

DRUG INTERACTION: DIAZOXIDE AND DIPHENYLHYDANTOIN. Roe TF, Podosin RL, Blaskovics ME *J Pediatr* 87: 480-4, Sep 75 (Eng)

DILUTIONAL HYPONATREMIA DUE TO DIAZOXIDE-PRODUCED POLYDIPSIA. Tang M, Falk JL *Pharmacol Biochem Behav* 3: 115-9, Jan-Feb 75 (Eng)

DIBUTYRYL

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3,5 MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

DIET

CHILDHOOD AND DIET AS RELATED TO ATHEROSCLEROSIS. CAN THE PEDIATRICIAN HELP PROTECT AGAINST ADULT CORONARY ARTERY DISEASE. Laird WP *Clin Pediatr (Phila)* 14: 485-6, 491-4, May 75 (Eng)

THE INFLUENCE OF DIET ON RESPONSE TO HEMORRHAGIC SHOCK. Drucker WR, Howard PL, McCoy S *Ann Surg* 181: 698-704, May 75 (Eng)

DIET, CHEMICALLY DEFINED

CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Habte D, Persson B, Sterky G *Acta Paediatr Scand* 64: 267-72, Mar 75 (Eng)

DIET CONTROL

[CONTROL OF DIABETES BY DIET ALONE IN PATIENTS RECEIVING ORAL HYPOGLYCEMIC DRUGS] Dreyfuss G, Canaan Z *Harefuah* 89: 254-6, 16 Sep 75 (Heb)

DIET EFFECT

EFFECT OF DIETARY PROTEIN AND CHOLESTEROL ON ATHEROSCLEROSIS IN SWINE. Gupta PP, Tandon HD, Ramalingaswami V *Exp Mol Pathol* 22: 305-16, Jun 75 (Eng)

EFFECTS OF DIET AND TYPE IIA HYPERLIPOPROTEINEMIA UPON STRUCTURE OF TRIACYLGLYCEROLS AND PHOSPHATIDYL CHOLINES FROM HUMAN PLASMA LIPOPROTEINS. Gordon DT, Pitas RE, Jensen RG *Lipids* 10: 270-83, May 75 (Eng)

DIET INDUCED

[PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS] Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)

DIETARY CARBOHYDRATE

DIETARY CARBOHYDRATES AND HYPERLIPEMIC STATES IN MAN. Bierman EL *Nutr Metab* 18 suppl 1: 108-14, 1975 (Eng)

SEX-DIFFERENCE IN THE RESPONSE TO DIFFERENT KINDS OF DIETARY CARBOHYDRATES IN RATS. Takemoto T *Tohoku J Exp Med* 115: 213-22, Mar 75 (Eng)

DIETARY MEANS

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. Kokatnur MG, Malcom GT, Eggen DA, Strong JP *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

DIETARY POLICY SURVEY

SURVEY OF DIETARY POLICY AND MANAGEMENT IN BRITISH DIABETIC CLINICS. Truswell AS, Thomas BJ, Brown AM *Br Med J* 4: 7-11, 4 Oct 75 (Eng)

DIETETICS

[SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehnert H, Dietze G, Haslbeck M *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)

DIFFERENTIAL EFFECT SIMULATION

SIMULATION OF DIFFERENTIAL EFFECTS ON RATES IN MEMBRANE TRANSPORT. Harrison LI, Christensen HN *J Theor Biol* 49: 439-59, Feb 75 (Eng)

DIGESTION

QUANTITATIVE VARIATIONS IN THE ABSORPTION OF GLUCOSE DURING DIGESTION OF MAIZE STARCH IN THE PIG. Rerat A, Aumaitre A, Vaugelade P, Vaissade P *Proc Nutr Soc* 33: 102a-103a, Dec 74 (Eng)

L-3,4-DIHYDROXYPHENYLALANINE

L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE

Diabetes Literature—Keyword Index

EMBRYO CELL

OBESE. Pinter EJ, Tolis G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)

DILUENT, PLASMA

[PLASMA DILUENT USED IN EXTRACOR-POREAL CIRCULATION - WITH SPECIAL REFERENCE TO THE CHANGES IN GLUCOSE AND ELECTROLYTE LEVELS] Kikuchi H *J Jpn Assoc Thorac Surg* 22: 1112-6, Nov 74 (Jpn)

DIMETHYL SULFOXIDE

THE HUMAN TOXICOLOGY OF DIMETHYL SULFOXIDE. Brobyn RD *Ann NY Acad Sci* 243: 497-506, 27 Jan 75 (Eng)

DIPHENYLHYDANTOIN

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Icc RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

DRUG INTERACTION: DIAZOXIDE AND DIPHENYLHYDANTOIN. Roe TF, Podosin RL, Blaskovics ME *J Pediatr* 87: 480-4, Sep 75 (Eng)

DISABLED CHILD

[THE CHRONICALLY ILL AND DISABLED CHILD: A PSYCHOLOGIC TASK OF PAEDIATRICS. PART II: SPECIAL PROBLEMS OF VARIOUS DISEASES (AUTHORS TRANSL)] Borner S, Steinhausen HC *Klin Paediatr* 187: 413-23, Sep 75 (Ger)

DISEASE

[THE CHRONICALLY ILL AND DISABLED CHILD: A PSYCHOLOGIC TASK OF PAEDIATRICS. PART II: SPECIAL PROBLEMS OF VARIOUS DISEASES (AUTHORS TRANSL)] Borner S, Steinhausen HC *Klin Paediatr* 187: 413-23, Sep 75 (Ger)

CELL MEMBRANES AND DISEASE. GENES, VIRUSES, HORMONES AND THE IMMUNE RESPONSE--AN INTRODUCTION. Dmochowski L, Bowen JM *Am J Clin Pathol* 63: 619-28, May 75 (Eng) [32]

DISEASE, ALEUTIAN MINK

DELAYED HYPERSENSITIVITY IN NORMAL AND ALEUTIAN DISEASE-AFFECTED MINK. Munoz J, Lodmell DL, Race RE, Jackson TA, Hadlow WJ *Z Immunitaetsforsch* 147: 53-60, May 74 (Eng)

DISULFIDE BRIDGE

SOMATOSTATIN ANALOGS. RELATIVE IMPORTANCE OF THE DISULFIDE BRIDGE AND OF THE ALA-GLY SIDE CHAIN FOR BIOLOGICAL ACTIVITY. Rivier J, Brazeau P, Vale W, Guillemin R *J Med Chem* 18: 123-6, Feb 75 (Eng)

DIURETIC

METABOLIC COMPLICATIONS IN THE USE OF DIURETICS. van Ypersele de Strihou C *Adv Nephrol* 2: 241-50, 1972 (Eng)

DIURNAL RHYTHM

PROCEEDINGS: DIURNAL RHYTHM OF GASTROIN AND GLUCAGON. Ellis BW, Russell RC, Bloom SR, Dudley HA *Br J Surg* 62: 664, Aug 75 (Eng)

DIURNAL VARIATION

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL)] Grabner W, Matzkies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

THE INFLUENCE OF DIABETIC REGULATION ON THE DIURNAL VARIATION IN BLOOD AND THE URINARY EXCRETION OF KETONE BODIES. STUDIES IN NEWLY DIAGNOSED DIABETICS. Wildenhoff KE *Acta Med Scand* 198: 127-33, Jul-Aug 75 (Eng)

[DIURNAL FLUCTUATIONS OF BLOOD LIPIDS AND SUGAR LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH ISCHEMIC HEART DISEASES] Krivoruchenko IV, Ianushkene TS *Kardiologiya* 15: 78-84, Feb 75 (Rus)

DIVERTICULUM, MECKELS

[ABERRANT PANCREAS IN MECKELS DIVERTICULUM] Smirnov EA *Arkiv Patol* 37: 71-2, 1975 (Rus)

DOG

RELATION BETWEEN INSULIN AND GLUCOSE FLUX RATES IN THE DOG. Mitsuhashi O, Schucher R, Kalant N *J Lab Clin Med* 86: 683-9, Oct 75 (Eng)

CHOLECYSTOKININ METABOLISM IN MAN AND DOGS. Thompson JC, Fender HR, Ramus NI, Villar HV, Rayford PL *Ann Surg* 182: 496-504, Oct 75 (Eng)

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL *J Appl Physiol* 38: 236-40, Feb 75 (Eng)

DRUG INTERACTION

DRUG INTERACTION: DIAZOXIDE AND DIPHENYLHYDANTOIN. Roe TF, Podosin RL, Blaskovics ME *J Pediatr* 87: 480-4, Sep 75 (Eng)

DUCT LIGATED

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynner H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

DUODENUM, MOUSE

EFFECTS OF GLUCAGON AND INSULIN ON THE PANETH CELLS OF THE MOUSE DUODENUM. Ahonen A, Penttilä A *Experientia* 31: 1074-5, 15 SEP 75 (Eng)

DUPUYTREN'S CONTRACTURE

DUPUYTREN'S CONTRACTURE. I-CHEMICAL PATHOLOGY. Hunter JA, Ogdon C, Norris MG *Br J Plast Surg* 28: 10-8, Jan 75 (Eng)

DWARFISM, PITUITARY

CHARACTERIZATION OF HUMAN GROWTH HORMONE PREPARATIONS USED FOR THE TREATMENT OF PITUITARY DWARFISM: A COMPARISON OF CONCURRENTLY USED BATCHES. Holmstrom B, Fohlenhag K *J Clin Endocrinol Metab* 40: 856-62, May 75 (Eng)

DYSLIPIDEMIA

[DYSLIPIDEMIAS AND HORMONES] Orlandi F, Serra D *Minerva Med* 66: 3381-7, 3 Oct 75 (Ita)

EDEMA

LETTER: CEREBRAL OEDEMA IN DIABETIC KETOACIDOSIS. Moore J *Br Med J* 3: 540, 20 Aug 75 (Eng)

EDEMA, CEREBRAL

LETTER: CEREBRAL OEDEMA IN DIABETIC KETOACIDOSIS. Frier BM *Br Med J* 3: 704, 20 Sep 75 (Eng)

ELDERLY

PROBLEMS RELATING TO THE DISCHARGE OF ELDERLY PATIENTS FROM HOSPITAL. Hofmeyr H, De V. Meiring P *S Afr Med J* 49: 1614-6, 13 Sep 75 (Eng)

ELECTROCARDIOGRAM

STUDIES IN ASYMPTOMATIC PRIMARY HYPERLIPIDAEMIA. IV. ECG AT REST AND DURING EXERCISE AND ITS RELATION TO VARIOUS LIPOPROTEIN CLASSES. Olsson AG, Ekelund LG, Carlsson LA *Acta Med Scand* 198: 55-73, Jul-Aug 75 (Eng)

ELECTROCHROMIC PROPERTY

ELECTROCHROMIC PROPERTIES OF MEMBRANE PROBES. Cheng WK *Biomembranes* 7: 56-60, 1975 (Eng)

ELECTROLYTE

[PLASMA DILUENT USED IN EXTRACOR-POREAL CIRCULATION - WITH SPECIAL REFERENCE TO THE CHANGES IN GLUCOSE AND ELECTROLYTE LEVELS] Kikuchi H *J Jpn Assoc Thorac Surg* 22: 1112-6, Nov 74 (Jpn)

ELECTRON DIFFRACTION

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

ELECTRON MICROSCOPY

[LIGHT- AND ELECTRON MICROSCOPY STUDIES OF STRUCTURAL CHANGES WITHIN THE EXO- AND ENDOCRINE PANCREAS OF THE ALBINO RAT IN 2-, 3-, 4-, AND 6-WEEK-LONG BI-AVITAMINOSIS] Fallner A *Verh Anat Ges* 68: 621-39, 1974 (Ger)

[ADIPOSE TISSUE OF THE ABDOMINAL WALL IN MAN. HISOTRY OF LITERATURE AND ELECTRON MICROSCOPIC STUDY CONCERNING THE MORPHOLOGICAL ADIPOSE TISSUE RESEARCH. II. OWN ELECTRON MICROSCOPIC STUDIES ON THE ABDOMINAL WALL ADIPOSE TISSUE IN MAN] Hegewald G, Barenwald G, Schwanengel H *Anat Anz* 136: 462-93, 1974 (Ger)

EMBRYO CELL

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3:5 MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

Diabetes Literature—Keyword Index

EMBRYOPATHY

EMBRYOPATHY

[DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich IuV, Minkovich BM *Arkhh Patol* 37: 3-13, 1975 (Rus)

EMETINE

[PROTECTIVE EFFECT OF GLUCOSE-INSULIN-POTASSIUM SOLUTIONS IN MYOCARDIAL DAMAGE CAUSED BY EMETINE] de Micheli A, Medrano GA, Villarreal A, Sodi-Palares D *Arch Inst Cardiol Mex* 45: 469-86, Jul-Aug 75 (Spa)

ENCEPHALOPATHY

LETTER: EXCESSIVE FREE FATTY ACIDEMIA AND THE ENCEPHALOPATHY IN REYES SYNDROME. Brown RE *N Engl J Med* 292: 1297-8, 12 Jun 75 (Eng)

ENDOCRINE

[CLINICAL CORRELATION BETWEEN THE ENDOCRINE SYSTEM AND THE CARDIOVASCULAR SYSTEM. BETA-ADRENERGIC BLOCK IN ACUTE MYOCARDIAL INFARCT] Palma G, Nubile G *Bull Soc Ital Biol Sper* 50: 1433-9, 30 Sep 74 (Ita)

ENDOCRINE ALTERATION

METABOLISM RATE, BIOCHEMICAL AND ENDOCRINE ALTERATIONS IN MALE WHIRLER MICE. Weltman AS, Sackler AM, Lewis AS, Johnson L *Physiol Behav* 5: 17-22, Jan 70 (Eng)

ENDOCRINE LIKE CELL

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

ENDOCRINE RESPONSE

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

ENDOCRINOLOGY

[RELATION BETWEEN ENDOCRINOLOGY AND PSYCHIATRY. SOME RECENT DEVELOPMENTS] Bursztein C *Nouv Presse Med* 4: 493-4, 496-9, 15 Feb 75 (Fre)

ENERGIZED STATE

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

ENERGY DENSITY

VARIATION OF ENERGY DENSITY IN ARGON LASER PHOTOCOAGULATION. Pomerantz O, Schepens CL *Arch Ophthalmol* 93: 1033-5, Oct 75 (Eng)

ENERGY DEPENDENCE

AMINO ACID TRANSPORT IN PERIPHERAL NERVE: ENERGY AND SODIUM DEPENDENCE. Wheeler DD *J Neurochem* 24: 1197-202, Jun 75 (Eng)

ENERGY DEPRIVATION EFFECT

EFFECTS OF ENERGY DEPRIVATION ON WALLERIAN DEGENERATION IN ISOLATED SEGMENTS OF RAT PERIPHERAL NERVE. Schlaepfer WW *Brain Res* 78: 71-81, 20 Sep 74 (Eng)

ENERGY LINKED

TEMPERATURE DEPENDENCE OF THE ENERGY-LINKED MONOSACCHARIDE TRANSPORT ACROSS THE CELL MEMBRANE OF RHODOTRULA GRACILIS. Heller KB, Hofer M *J Membr Biol* 21: 261-71, 1975 (Eng)

ENERGY METABOLISM

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL)] Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Brutschneider HJ *Anaesthesist* 23: 101-4, Mar 74 (Ger)

ENERGY METABOLITE

EFFECTS OF ABDOMINAL SURGERY UNDER GENERAL ANAESTHESIA AND OF POSTOPERATIVE ANALGESIC THERAPY ON Splanchnic EXCHANGE OF SOME BLOOD BORNE ENERGY METABOLITES. Wiklund L, Jorfeldt L *Acta Anaesthesiol Scand [Suppl]* 41: 58, 1975 (Eng)

ENERGY REQUIREMENT

ENERGY REQUIREMENT FOR THE INITIATION OF COLICIN ACTION IN ESCHERICHIA COLI. Jetten AM, Jetten ME *Biochim Biophys Acta* 387: 12-22, 14 Apr 75 (Eng)

ENERGY TRANSDUCTION

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

ENTAMOEBIA HISTOLYTICA

PHYSIOLOGICAL SIGNIFICANCE OF GLUCOSE TRANSPORT IN ENTAMOEBIA HISTOLYTICA. Sorzano R, Reeves RE *Exp Parasitol* 37: 411-6, Jun 75 (Eng)

ENZYME

ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS. Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLI II. EFFECTORS AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY RIBOSE 5-PHOSPHATE. Waygood EB, Rayman MK, Sanwal BD *Can J Biochem* 53: 444-54, Apr 75 (Eng)

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION

AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

CONCENTRATIONS IN VITRO OF VARIOUS ENZYMES IN LIVER HOMOGENATES DURING THE FIRST FEW DAYS OF A PERIOD OF STARVATION. den Otter W *Periodontol* 63: 611-24, ar 754 (Eng)

ENZYME ACTIVE ANTIGEN

ENZYME POLYMORPHISM IN RAT-LIVER MICROSOMES AND PLASMA MEMBRANES. I. AN IMMUNOCHEMICAL STUDY OF MULTISUBUNIT ENZYME COMPLEXES AND OTHER ENZYME-ACTIVE ANTIGENS. Blomberg F, Raffell M *Eur J Biochem* 49: 21-9, 1 Nov 74 (Eng)

ENZYME ACTIVITY

CHANGES IN PLASMA GLUCOSE AND LACTATE CONCENTRATIONS AND ENZYME ACTIVITIES IN THE NEONATAL CALF WITH DIARRHEA. Lewis LD, Phillips RW, Elliott CD *Am J Vet Res* 36: 413-6, Apr 75 (Eng)

ENZYME ADAPTATION

DIET AND INTESTINAL ENZYME ADAPTATION: IMPLICATIONS FOR GASTROINTESTINAL DISORDERS. Rosensweig NS *Am J Clin Nutr* 28: 648-55, Jun 75 (Eng) [44]

ENZYME, CATECHOLAMINE DEGRADING

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTEX AFTER ACUTE AND REPEATED STRESS. Kvetnansky R, Torda T, Jahnova E, Saleh N *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

ENZYME, DEBRANCHING

THE METABOLIC ROLE OF DEBRANCHING ENZYMES. Palmer TN, Wober G *Biochem Soc Trans* 3: 53-6, 1975 (Eng)

ENZYME, GLUCOSE METABOLISM

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS. Belfiore F, Rabuazzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

ENZYME, MONOMERIC

REGULATORY BEHAVIOR OF MONOMERIC ENZYMES. 2. A WHEAT-GERM HEXOKINASE AS A MNEMONICAL ENZYME. Meunier JC, Buc J, Navarro A, Ricard J *Eur J Biochem* 49: 209-23, 1 Nov 74 (Eng)

ENZYME PATTERN

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

POLARITY OF THE RENAL PROXIMAL TUBULAR CELL: FUNCTION AND ENZYME PATTERN OF THE ISOLATED PLASMA MEMBRANES. Kinne RK *Med Clin North Am* 59: 615-27, May 75 (Eng) [43]

Diabetes Literature—Keyword Index

ESTROGEN

ENZYME, PENTOSEPHOSPHATE CYCLE

[THE ACTIVITY OF KEY PENTOSEPHOSPHATE CYCLE ENZYMES IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS] Karabun PM *Fiziol Zh* 20: 394-8, May-Jun 74 (Ukr)

ENZYMOLGY

THE USE OF ENZYMOLGY IN PHARMACOLOGICAL AND TOXICOLOGICAL INVESTIGATIONS*. Smith WG *Prog Med Chem* 10: 11-84, 1974 (Eng) [654]

EPHEDRINE

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPHEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetz B, Spaulding H, Summers R, Wood D J *Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

EPIDEMIOLOGIC STUDY

[RISK FACTORS AND VASCULAR DISEASES. EPIDEMIOLOGIC STUDIES FROM A GENERAL PRACTICE] Schultz HJ *Z Allgemeinmed* 51: 929-38, 31 Jul 75 (Ger)

EPIDERMAL ATROPHY

CLOBETASONE BUTYRATE, A NEW TOPICAL CORTICOSTEROID: CLINICAL ACTIVITY AND EFFECTS ON PITUITARY-ADRENAL AXIS FUNCTION AND MODEL OF EPIDERMAL ATROPHY. Munro DD, Wilson L *Br Med J* 3: 626-8, 13 Sep 75 (Eng)

EPIDIDYMAL FAT PAD

PROCEEDINGS: THE DISPOSITION OF L-(3-H) - NORADRENALINE BY THE ISOLATED EPIDIDYMAL FAT PAD OF THE RAT AND THE EFFECT OF ANTILIPOLYTIC AGENTS. Bizzi A, Codegoni AM, Luzzani F, Manara L, Tacconi MT *Br J Pharmacol* 52: 449p-450p, Nov 74 (Eng)

1-EPIMERASE

GLUCOSE-6-PHOSPHATE 1-EPIMERASE FROM BAKERS YEAST. Wurster B, Hess B *Methods Enzymol* 41: 488-93, 1975 (Eng)

EPINEPHRINE

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Ui M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

PLASMA PROTEIN BINDING OF EPINEPHRINE. Russell JC, Doty DM *Physiol Chem Phys* 5: 75-86, 1973 (Eng)

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPHEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetz B, Spaulding H, Summers R, Wood D J *Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

EPINEPHRINE INDUCED

EPINEPHRINE-INDUCED HYPERGLYCEMIA AND GLYCOGENOLYSIS IN FED AND FASTED NEONATAL SWINE. Stanton HC,

Mueller RL *Biol Neonate* 25: 307-19, 1974 (Eng)

INHIBITORY EFFECT OF OUABAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)

EPITHELIUM, INTESTINAL

THE LOCALIZATION OF ALKALINE PHOSPHATASE ACTIVITY IN THE RAT SMALL INTESTINAL EPITHELIUM AFTER FAT AND PROTEIN FEEDING. Ono K *Acta Histochem (Jena)* 51: 124-37, 1974 (Eng)

EQUILIBRIUM EXCHANGE

ZERO-TRANS AND EQUILIBRIUM-EXCHANGE EFFLUX AND INFINITE-TRANS UPTAKE OF GALACTOSE BY HUMAN ERYTHROCYTES. Ginsburg H, Ram D *Biochim Biophys Acta* 382: 369-76, 25 Mar 75 (Eng)

2-BR-ALPHA-ERGOCRYPTINE

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Luzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

ERGOMETRY

[COURSE OF CORONARY DISEASE. EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY] Kugler G, Johannes E, Rodiger W, Westermann KW *Z Kardiol* 64: 245-54, Mar 75 (Ger)

ERYTHROCYTE, HUMAN

ZERO-TRANS AND INFINITE-CIS UPTAKE OF GALACTOSE IN HUMAN ERYTHROCYTES. Ginsburg H, Stein WD *Biochim Biophys Acta* 382: 353-68, 25 Mar 75 (Eng)

ZERO-TRANS AND EQUILIBRIUM-EXCHANGE EFFLUX AND INFINITE-TRANS UPTAKE OF GALACTOSE BY HUMAN ERYTHROCYTES. Ginsburg H, Ram D *Biochim Biophys Acta* 382: 369-76, 25 Mar 75 (Eng)

GLYCOLYSIS IN HUMAN ERYTHROCYTES CONTAINING ELEVATED CONCENTRATIONS OF 2, 3-P2-GLYCERATE. Duhm J *Biochim Biophys Acta* 385: 68-80, 14 Mar 75 (Eng)

ASYMMETRY IN HUMAN ERYTHROCYTE SUGAR TRANSPORT. Miller DM *J Biol Chem* 250: 3637-8, 25 May 75 (Eng)

ERYTHROCYTE MEMBRANE

CIRCULAR DICHROISM OF ERYTHROCYTE MEMBRANE GLYCOPROTEINS. Decker RV, Caraway KL *Biochim Biophys Acta* 386: 52-61, 28 Mar 75 (Eng)

ERYTHROCYTE, RAT

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES; Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

ERYTHROCYTE

ROLE OF ELEVATED GLUCOSE CONCENTRATIONS IN THE HEMOLYSIS OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT ERYTHROCYTES (38474). Glader BE *Proc Soc Exp Biol Med* 148: 50-3, Jan 75 (Eng)

ESCHERICHIA COLI

ENERGY REQUIREMENT FOR THE INITIATION OF COLICIN ACTION IN ESCHERICHIA COLI. Jettten AM, Jettten ME *Biochim Biophys Acta* 387: 12-22, 14 Apr 75 (Eng)

THE MAINTENANCE OF THE ENERGIZED MEMBRANE STATE AND ITS RELATION TO ACTIVE TRANSPORT IN ESCHERICHIA COLI. Rosen BP, Adler LW *Biochim Biophys Acta* 387: 23-36, 14 Apr 75 (Eng)

COUPLING OF GLYCINE AND ALANINE TRANSPORT TO RESPIRATION IN CELLS OF ESCHERICHIA COLI. Sprott GD, Dimock K, Martin WG, Schneider H *Can J Biochem* 53: 262-8, Mar 75 (Eng)

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLI. II. EFFECTORS AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY RIBOSE 5-PHOSPHATE. Waygood EB, Rayman MK, Sanwal BD *Can J Biochem* 53: 444-54, Apr 75 (Eng)

EFFECT OF GLUCOSE AND ITS ANALOGUES ON THE ACCUMULATION AND RELEASE OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN A MEMBRANE FRACTION OF ESCHERICHIA COLI: RELATION TO BETA-GALACTOSIDASE SYNTHESIS. Seto H, Nagata Y, Maruo B *J Bacteriol* 122: 669-75, May 75 (Eng)

MUCOID ENTERITIS IN THE RABBIT ASSOCIATED WITH E. COLI. CHANGES IN THE CARBOHYDRATE METABOLISM. Vetesi F, Kutas F *Acta Vet Acad Sci Hung* 24: 303-11, 1974 (Eng)

ESCHERICHIA COLI K 12

ATP-SENSITIVE AND ATP-INSENSITIVE PHOSPHOFRUCTOKINASE IN ESCHERICHIA COLI K-12. Doelle HW *Eur J Biochem* 50: 335-42, 2 Jan 75 (Eng)

ESKIMO

CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jan 75 (Eng)

ESTER CHOLESTEROL DEPLETION

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. Kokatnur MG, Malcom GT, Eggen DA, Strong JP *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

ESTRADIOL, PLASMA

UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybulski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)

ESTROGEN

LETTER: PYRIDOXINE AND OESTROGEN-INDUCED GLUCOSE INTOLERANCE. Cornish EJ, Tesoriero W *Br Med J* 3: 649-50, 13 Sep 75 (Eng)

Diabetes Literature—Keyword Index

ESTROGEN, URINARY

ESTROGEN, URINARY

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)

ETHANOL EFFECT

ACUTE AND CHRONIC EFFECTS OF ETHANOL ON INTESTINAL LIPID METABOLISM. Baraona E, Pirola RC, Lieber CS *Biochim Biophys Acta* 388: 19-28, 18 Apr 75 (Eng)

ETHANOL INDUCED ALTERATION

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

ETHYLESTRENOL

PHENFORMIN AND ETHYLESTRENOL IN RECURRENT VENOUS THROMBOSIS. Nilsson IM, Hedner U, Isacson S *Acta Med Scand* 198: 107-13, Jul-Aug 75 (Eng)

N-ETHYLMALIMIDE

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

EWE, CHRONICALLY CATHETERISED

EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST TWO MONTHS OF PREGNANCY. Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)

EXERCISE

FUEL HOMEOSTASIS IN EXERCISE. Fellig P, Wahren J *N Engl J Med* 293: 1078-84, 20 Nov 75 (Eng)

STUDIES IN ASYMPTOMATIC PRIMARY HYPERLIPIDAEMIA. IV. ECG AT REST AND DURING EXERCISE AND ITS RELATION TO VARIOUS LIPOPROTEIN CLASSES. Olsson AG, Ekelund LG, Carlson LA *Acta Med Scand* 198: 55-73, Jul-Aug 75 (Eng)

EXERCISING DOG

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYLPREDNISOLONE. Issekutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

EXERTION EFFECT

[EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)

EXPLANT, CULTURED

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)

EXTRACELLULAR LEVEL

EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN. Hamet P, Lowder SC, Hardman JG, Liddle GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

EXTRAISULAR COMPONENT

[EXTRAISULAR COMPONENTS OF THE ISLAND ORGAN] Ehrenbrand F *Verh Anat Ges* 68: 617-20, 1974 (Ger)

EXTRUSION

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

FACIAL NERVE LATENCY

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT: VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES; H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Exp* 138: 445-52, 15 Sep 75 (Spa)

FAILURE, HEPATIC

ACID-BASE AND METABOLIC DISTURBANCES IN FULMINANT HEPATIC FAILURE. Record CO, Iles RA, Cohen RD, Williams R *Gut* 16: 144-9, Feb 75 (Eng)

FAMILIAL LINES, PIGEON

ATHEROSCLEROSIS IN FAMILIAL LINES OF PIGEONS FED EXOGENOUS CHOLESTEROL. Patton NM, Brown RV, Middleton CC *Atherosclerosis* 21: 147-54, Mar-Apr 75 (Eng)

FAST, TOTAL

NITROGEN LOSS IN NORMAL AND OBESE SUBJECTS DURING TOTAL FAST. Goschke H, Stahl M, Tholen H *Klin Wochenschr* 53: 605-10, 1 Jul 75 (Eng)

FASTED SWINE

EPINEPHRINE-INDUCED HYPERGLYCEMIA AND GLYCOGENOLYSIS IN FED AND FASTED NEONATAL SWINE. Stanton HC, Mueller RL *Biol Neonate* 25: 307-19, 1974 (Eng)

FASTING

EDITORIAL: HYPOGLYCEMIA DURING FASTING. Ricketts HT *JAMA* 234: 186, 13 Oct 75 (Eng)

A COMPARISON OF FASTING SERUM LIPID CONCENTRATIONS AND LIPOPROTEIN

PATTERNS IN PATIENTS WITH STENOSING AND DILATING FORMS OF PERIPHERAL ARTERIAL DISEASE. Greenhalgh RM, Taylor GW, Kaye J *J Cardiovasc Surg (Torino)* 16: 150-1, Mar-Apr 75 (Eng)

THE MECHANISM OF THE NATRIURESIS OF FASTING. Sigler MH *J Clin Invest* 55: 377-87, Feb 75 (Eng)

FASTING EFFECT

THE EFFECT OF FASTING ON TISSUE CYCLIC CAMP AND PLASMA GLUCAGON IN THE OBESE HYPERGLYCEMIC MOUSE. Lavine RL, Voyles N, Perrino PV, Recant L *Endocrinology* 97: 615-20, Sep 75 (Eng)

FAT CELL

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissebah AH, Clarke P, Vydelingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

METABOLISM OF OCTANOATE AND ITS EFFECT ON GLUCOSE AND PALMITATE UTILIZATION BY ISOLATED FAT CELLS. Maragoudakis ME, Kalinsky HJ, Lennane J *Proc Soc Exp Biol Med* 148: 606-10, Mar 75 (Eng)

FAT CELL, RABBIT

LIPOGENESIS IN RABBIT ISOLATED FAT-CELLS. Saggerson ED *Biochem J* 142: 477-82, Sep 74 (Eng)

FAT CELL, RAT

BIPHASIC EFFECT OF THE ALPHA-ADRENOLYTIC PHENTOLAMINE ON HORMONE-STIMULATED FORMATION OF CYCLIC ADENOSINE-3,5-MONOPHOSPHATE IN ISOLATED FAT CELLS OF RATS. Stock K, Thomas T *Metabolism* 24: 277-86, Mar 75 (Eng)

FAT EMULSION EFFECT

GLYCEROL: MAJOR CONTRIBUTOR TO THE SHORT TERM PROTEIN SPARING EFFECT OF FAT EMULSIONS IN NORMAL MAN. Brennan MF, Fitzpatrick GF, Cohen KH, Moore FD *Ann Surg* 182: 386-94, Oct 75 (Eng)

FAT FEEDING

THE LOCALIZATION OF ALKALINE PHOSPHATASE ACTIVITY IN THE RAT SMALL INTESTINAL EPITHELIUM AFTER FAT AND PROTEIN FEEDING. Ono K *Acta Histochem (Jena)* 51: 124-37, 1974 (Eng)

FAT MOBILIZATION

LETTER: FAT MOBILISATION AND PLATELET AGGREGATION. Vincent JE *Lancet* 1: 799-800, 5 Apr 75 (Eng)

EFFECT OF AGEING ON FAT MOBILIZATION IN MAN. Pawan GL *Proc Nutr Soc* 33: 98a-99a, Dec 74 (Eng)

FAT, POLYUNSATURATED EFFECT

EFFECTS OF POLYUNSATURATED FATS ON LIPID METABOLISM IN PATIENTS WITH HYPERTRIGLYCERIDEMIA. Grundy SM *J Clin Invest* 55: 269-82, Feb 75 (Eng)

Diabetes Literature—Keyword Index

FATTY ACID

UPTAKE AND COMPARTMENTAL DISTRIBUTION OF FATTY ACID BY RAT SMALL INTESTINE IN VIVO. Mishkin S, Yalovsky M, Kessler JI *Am J Physiol* 228: 1409-14, May 75 (Eng)

FATTY ACID, FREE

THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotze JP, Steinberg D *S Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

EFFECTS OF MEDIUM CHAIN TRIGLYCERIDES ON PORTAL AND ARTERIAL LEVELS OF INSULIN, FFA AND GLUCOSE IN PATIENTS WITH PANCREATIC DISEASE. Rojdmarm S *Acta Med Scand* 198: 123-6, Jul-Aug 75 (Eng)

FAILURE OF FREE FATTY ACIDS TO INFLUENCE DEGREE OF MYOCARDIAL INJURY FOLLOWING ACUTE CORONARY ARTERY OCCLUSION IN PIGS. Most AS, Capone RJ, Szydluk P, Bruno CA, DeVona TS *Cardiology* 59: 201-12, 1974 (Eng)

SITE OF FREE-FATTY-ACID INHIBITION OF LIPOLYSIS BY HUMAN ADIPOCYTES. Burns TW, Langley PE, Robison GA *Metabolism* 24: 265-76, Mar 75 (Eng)

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, *ONCORHYNCHUS NERKA*. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol [A]* 47: 821-8, 1 Mar 74 (Eng)

FATTY ACID FREE, PLASMA

TRANSPORT OF PLASMA FFA IN CATS; EFFECT OF HYPOTHALAMIC STIMULATION. Barkai A, Allweis C *Am J Physiol* 228: 1367-75, May 75 (Eng)

FATTY ACID FREE, SERUM

INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paeppe M, Marcus S, Peeters G *J Endocrinol* 66: 213-24, Aug 75 (Eng)

FATTY ACID, NONESTERIFIED

[INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerrato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Exp* 138: 107-11, 31 Jul 75 (Spa)

LETTER: FEEDING AND PLASMA NEFA LEVELS IN NEWBORN INFANTS. Anagnostakis D *J Pediatr* 86: 991-2, Jun 75 (Eng)

FATTY ACID, UNSATURATED

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDATION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS] Kozlov luP, Glushchenko NN, Obratsov VV, Orlov SN, Kagan VE *Biufizika* 18: 1031-6, Nov-Dec 73 (Rus)

FATTY STREAK

RELATIONSHIP OF RAISED ATHEROSCLEROTIC LESIONS TO FATTY STREAKS IN 19 LOCATION-RACE GROUPS. Tracy RE, Toca V *Atherosclerosis* 21: 21-36, Jan-Feb 75 (Eng)

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. Kokatnur MG, Malcom GT, Eggen DA, Strong JP *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

FED RAT

STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilks SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

FEEDING

LETTER: FEEDING AND PLASMA NEFA LEVELS IN NEWBORN INFANTS. Anagnostakis D *J Pediatr* 86: 991-2, Jun 75 (Eng)

FEROUS ION

[MATHEMATICAL MODELING OF THE KINETICS OF CHAIN OXIDATION OF BIOMEMBRANE LIPIDS IN THE PRESENCE OF FE²⁺ IONS] Anonymous *Biufizika* 18: 1024-30, Nov-Dec 73 (Rus)

FETAL

[EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PANCREATCTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Rietti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)

FETAL DEPRIVATION

FETAL DEPRIVATION AND PLACENTAL PATHOLOGY: CONCEPTS AND RELATIONSHIPS. Gruenwald P *Perspect Pediatr Pathol* 2: 101-49, 1975 (Eng)

FETAL WEIGHT

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spelacy WN, Conly PW, Cleveland WW, Buh WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

FETOPATHY

[DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich luV, Minkovich BM *Ark Patol* 37: 3-13, 1975 (Rus)

FETUS

[THE PHYSICAL DEVELOPMENT OF NEWBORN INFANTS AND THE FREE AMINO ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Panfirov VV *Pediatr Akush Ginekol* 43-6, Mar-Apr 75 (Ukr)

FETUS, HUMAN

[ULTRASTRUCTURE OF THE SECRETORY CELLS OF THE PANCREATIC ISLETS IN HUMAN FETUSES] Puzryev AA *Tsitologia* 17: 1027-31, Sep 75 (Rus)

FREE RADICAL OXIDATION

FFA

SEE FATTY ACID/FREE

FIBRINOLYSIS

ON FIBRINOLYSIS IN DIABETES MELLITUS. Almer LO, Nilsson IM *Acta Med Scand* 198: 101-6, Jul-Aug 75 (Eng)

FIBROBLAST

EFFECT OF POLYCLONAL B-CELL ACTIVATORS ON DNA SYNTHESIS IN FIBROBLASTS. Persson U, Moller G *Scand J Immunol* 4: 527-34, Sep 75 (Eng)

FIBROBLAST, HUMAN SKIN

NEUTRAL AMINO ACID TRANSPORT IN CULTIVATED HUMAN SKIN FIBROBLASTS (38521). Booth CW, Nader HL *Proc Soc Exp Biol Med* 148: 277-82, Jan 75 (Eng)

FIBROBLAST, MOUSE CULTURED

INITIATION OF CELL PROLIFERATION IN CULTURED MOUSE FIBROBLASTS BY PROSTAGLANDIN F₂ALPHA. De Asua LJ, Clingan D, Rudland PS *Proc Natl Acad Sci USA* 72: 2724-8, Jul 75 (Eng)

FILAMENTOUS PROTEIN MODEL

FILAMENTOUS PROTEIN MODEL FOR CYCLIC AMP-MEDIATED CELL REGULATORY MECHANISMS. Olsen RW *J Theor Biol* 49: 263-87, Feb 75 (Eng) [141]

FLAVONOID

[THE TRANSPORT OF THREE FLAVONOIDS THROUGH ARTIFICIAL AND BIOLOGICAL MEMBRANES. THE TRANSPORT IN VITRO THROUGH A CELLOPHANE MEMBRANE] Crevoisier C, Buriat P, Boucherat J *J Pharm Acta Helv* 49: 140-51, 1974 (Fre)

FLOW SYSTEM

[FULLY AUTOMATED CONTINUOUS FLOW SYSTEM FOR DETERMINATION OF SERUM TRIGLYCERIDES (AUTHORS TRANSL)] Coudon B, Bouige D, Giraudet P *Clin Chim Acta* 55: 129-38, 16 Sep 74 (Fre)

FOOD

SUCROSE AND GLUCOSE CONCENTRATIONS OF FREQUENTLY INGESTED FOODS. Shannon IL, Wescott WB *J Acad Gen Dent* 23: 37-43, May-Jun 75 (Eng)

FOOD DEPRIVATION EFFECT

THE EFFECT OF FOOD DEPRIVATION OF THE PERIPHERAL METABOLISM OF THYROIDINE IN RATS. Ingbar DH, Galton VA *Endocrinology* 96: 1525-32, Jun 75 (Eng)

FOOD PROCESSING EFFECT

THE EFFECTS OF FOOD PROCESSING ON NUTRITIONAL VALUES. Anonymous *Nutr Rev* 33: 123-6, Apr 75 (Eng)

FREE RADICAL OXIDATION

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDATION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS] Kozlov luP, Glushchenko NN, Obratsov VV, Orlov SN, Kagan VE *Biufizika* 18: 1031-6, Nov-Dec 73 (Rus)

Diabetes Literature—Keyword Index

FRUCTOSE

FRUCTOSE

[IDENTIFICATION OF 4-DEOXY-D-THREOHULULOSE (4-DEOXY-D-FRUCTOSE) IN HUMAN URINE] Strecker G C R *Acad Sci [D] (Paris)* 279: 1213-6, 30 Sep 74 (Fre)

FRUCTOSE 6-PHOSPHATE

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES; Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

GALACTOPOIETIC HORMONE

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES, REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

GALACTOSE

ZERO-TRANS AND INFINITE-CIS UPTAKE OF GALACTOSE IN HUMAN ERYTHROCYTES. Ginsburg H, Stein WD *Biochim Biophys Acta* 382: 353-68, 25 Mar 75 (Eng)

ZERO-TRANS AND EQUILIBRIUM-EXCHANGE EFFLUX AND INFINITE-TRANS UPTAKE OF GALACTOSE BY HUMAN ERYTHROCYTES. Ginsburg H, Ram D *Biochim Biophys Acta* 382: 369-76, 25 Mar 75 (Eng)

GALACTOSE METABOLISM

[BIOCHEMICAL AND CLINICAL FINDINGS IN CONGENITAL ABNORMALITIES OF GALACTOSE METABOLISM (AUTHORS TRANSL)] Sitzmann FC, Kaloud H, Istvan J *Wien Klin Wochenschr* 87: 12-8, 10 Jan 75 (Ger)

BETA-GALACTOSIDASE

EFFECT OF GLUCOSE AND ITS ANALOGUES ON THE ACCUMULATION AND RELEASE OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN A MEMBRANE FRACTION OF ESCHERICHIA COLI: RELATION TO BETA-GALACTOSIDASE SYNTHESIS. Seto H, Nagata Y, Maruo B *J Bacteriol* 122: 669-75, May 75 (Eng)

GALLBLADDER

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

[GLUCOSE CONTENT OF GALLBLADDER BILE AND CHOLEDOCHAL BILE] Paris J, Gerard A, Salembier Y, Samso G *Tijdschr Gastroenterol* 17: 40-50, 1974 (Fre)

GAS CHROMATOGRAPHY

GAS CHROMATOGRAPHY OF KREBS CYCLE AND RELATED ACIDS ON SILAR 10C. Bide RW *Clin Biochem* 8: 148-50, Apr 75 (Eng)

GAS-LIQUID CHROMATOGRAPHY

[REFERENCE METHOD FOR THE ESTIMATION OF GLYCAEMIA BY GAS-LIQUID CHROMATOGRAPHY (AUTHORS TRANSL)]

Cahour A, Lebhe J, Hartmann L *Clin Chim Acta* 55: 139-46, 16 Sep 74 (Fre)

GASTRIC ACID STIMULANT

AN ASSESSMENT OF THE REPRODUCIBILITY AND SAFETY OF 2-DEOXY-D-GLUCOSE AS A GASTRIC ACID STIMULANT IN DUODENAL ULCER PATIENTS. Gough AL, Keddie NC *Gut* 16: 171-5, Mar 75 (Eng)

GASTRIC SECRETION

PROCEEDINGS: EFFECT OF THE HISTAMINE H2 RECEPTOR ANTAGONIST, CIMETIDINE, ON INSULIN-INDUCED GASTRIC SECRETION IN MAN. Carter DC, Logan R, Forrest JA, Ansell I, Heading RC *Br J Surg* 62: 664-5, Aug 75 (Eng)

GASTRIC SECRETORY CHANGE

SIGNIFICANCE OF GASTRIC SECRETORY CHANGES IN THE PATHOGENESIS OF STRESS ULCERS. Hase T, Anderson PR, Mehlman B *Am J Dig Dis* 20: 443-9, May 75 (Eng)

GASTRIN

PROCEEDINGS: DIURNAL RHYTHM OF GASTRIN AND GLUCAGON. Ellis BW, Russell RC, Bloom SR, Dudley HA *Br J Surg* 62: 664, Aug 75 (Eng)

GASTRIN, SERUM

[SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

GASTRITIS, HEMORRHAGIC

PREVENTION BY GLUCAGON OF EXPERIMENTAL STRESS INDUCED HEMORRHAGIC GASTRITIS. Guth PH, Meeroff JC, Paulsen G, Isenberg JI *Gastroenterology* 69: 1048-50, Oct 75 (Eng)

GASTROINTESTINAL COMPLICATION

[GASTROINTESTINAL COMPLICATIONS OF DIABETES MELLITUS] Forgacs S *Med Klin* 70: 1424-31, 5 Sep 75 (Ger)

GASTROINTESTINAL DISORDER

DIET AND INTESTINAL ENZYME ADAPTATION: IMPLICATIONS FOR GASTROINTESTINAL DISORDERS. Rosensweig NS *Am J Clin Nutr* 28: 648-55, Jun 75 (Eng) [44]

GASTROINTESTINAL HORMONE

ACTIONS OF GASTROINTESTINAL HORMONES AND RELATED PEPTIDES ON THE MOTOR FUNCTION OF THE BILIARY TRACT. Lin TM *Gastroenterology* 69: 1006-22, Oct 75 [137]

GASTROINTESTINAL HORMONE EFFECT

PHARMACOLOGIC EFFECTS OF GASTROINTESTINAL HORMONES ON INTESTINAL

OXYGEN CONSUMPTION AND BLOOD FLOW. Bowen JC, Pawlik W, Fang WF, Jacobson ED *Surgery* 78: 515-9, Oct 75 (Eng)

GENE

CELL MEMBRANES AND DISEASE. GENES, VIRUSES, HORMONES AND THE IMMUNE RESPONSE—AN INTRODUCTION. Dmochowski L, Bowen JM *Am J Clin Pathol* 63: 619-28, May 75 (Eng) [32]

GENERAL PRACTICE

[RISK FACTORS AND VASCULAR DISEASES. EPIDEMIOLOGIC STUDIES FROM A GENERAL PRACTICE] Schultz HJ *Z Allgemeinmed* 51: 929-38, 31 Jul 75 (Ger)

GENETIC FORM

EVIDENCE FOR DIABETES MELLITUS AND GENETIC FORMS OF HYPERTRIGLYCERIDEMIA AS INDEPENDENT ENTITIES. Brunzell JD, Hazzard WR, Motulsky AG, Bierman EL *Metabolism* 24: 1115-21, Oct 75 (Eng)

GEOMETRY

THE SELF-ASSOCIATION OF ATP: THERMODYNAMICS AND GEOMETRY. Heyn MP, Bretz R *Biophys Chem* 3: 35-45, Feb 75 (Eng)

GERIATRIC PATIENT

INTERPRETING LABORATORY DATA. MONITORING THE GERIATRIC PATIENT. Bender KJ, Grams RR *J Am Pharm Assoc* 15: 21-3, Jan 75 (Eng)

GINGIVAL FLUID

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficarra AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

GIRL

[SJOGRENS SYNDROME WITH PROGRESSIVE SYSTEMIC SCLEROSIS AND PRIMARY DIABETES IN A 12-YEAR-OLD GIRL] Wesolowska H, Ludwiczak H, Ferdynus J *Reumatologia* 13: 215-9, 1975 (Pol)

GLIBENCLAMIDE EFFECT

[EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Ziler T, Waldthaler A, Ermler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)

GLIBORNURIDE

CLINICAL TRIAL OF GLIBORNURIDE IN DIABETES. Logie AW, Stowers JM *Br Med J* 3: 514-5, 30 Aug 75 (Eng)

GLIFLUMIDE

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

GLIPIZIDE

[DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL)]

Diabetes Literature—Keyword Index

Azzopardi J, Campbell IW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)

GLIQUIDONE

[COMPARATIVE USE OF GLIQUIDONE AND TOLBUTAMIDE ADMINISTERED INTRAVENOUSLY] Zilker T, Luders L, Bottermann P *Munch Med Wochenschr* 117: 1421-2, 5 Sep 75 (Ger)

GLIQUIDONE EFFECT

[EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Zilker T, Waldthaler A, Ermler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)

GLOMERULAR BASEMENT MEMBRANE

BIOCHEMICAL STUDIES OF THE GLOMERULAR BASEMENT MEMBRANE IN THE DISEASED KIDNEY. Mahieu P, Winand RJ, Nussgens B *Adv Nephrol* 2: 25-34, 1972 (Eng) [29]

GLOMERULAR DISEASE

THE MESANGIUM IN GLOMERULAR DISEASE. Tighe JR *Proc R Soc Med* 68: 151-8, Mar 75 (Eng)

GLOMERULAR FILTRATION RATE

THE EFFECT OF GLUCAGON ON GLOMERULAR FILTRATION RATE IN DOGS DURING REDUCTION OF RENAL BLOOD FLOW. Levy M *Can J Physiol Pharmacol* 53: 660-8, Aug 75 (Eng)

GLUCAGON

STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilkin SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

METABOLIC RESPONSES OF PERFUSED RAT LIVERS TO ALPHA- AND BETA-ADRENERGIC AGONISTS, GLUCAGON AND CYCLIC AMP. Jakob A, Diem S *Biochim Biophys Acta* 404: 57-66, 8 Sep 75 (Eng)

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Uti M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

PROCEEDINGS: DIURNAL RHYTHM OF GASTRIN AND GLUCAGON. Ellis BW, Russell RC, Bloom SR, Dudley HA *Br J Surg* 62: 664, Aug 75 (Eng)

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle DJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

[INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerrato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Esp* 138: 107-11, 31 Jul 75 (Spa)

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

GLUCAGON CONTROL

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS *Eur J Biochem* 56: 375-83, 15 Aug 75 (Eng)

GLUCAGON EFFECT

THE EFFECT OF GLUCAGON ON GLOMERULAR FILTRATION RATE IN DOGS DURING REDUCTION OF RENAL BLOOD FLOW. Levy M *Can J Physiol Pharmacol* 53: 660-8, Aug 75 (Eng)

EFFECTS OF GLUCAGON AND INSULIN ON THE PANETH CELLS OF THE MOUSE DUODENUM. Ahonen A, Penttilä A *Experientia* 31: 1074-5, 15 SEP 75 (Eng)

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED RATS. Kuroshima A, Doi K, Kurahashi M, Ono T *J Physiol* 25: 275-85, 1975 (Eng)

[THE CALORIGENIC EFFECT OF GLUCAGON] Krimphove M, Opitz K *Arch Int Pharmacodyn Ther* 216: 328-50, Aug 75 (Ger)

GLUCAGON INDUCED

GLUCAGON-INDUCED CHANGES IN THE ACTION POTENTIAL, CONTRACTION, AND NA&K-ATPASE OF CARDIAC MUSCLE. Prasad K *Cardiovasc Res* 9: 355-65, May 75 (Eng)

GLUCAGON, PANCREATIC

ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)

EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)

GLUCAGON, PLASMA

PLASMA GLUCAGON RESPONSE TO ARGinine INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsherg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissmann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

THE EFFECT OF FASTING ON TISSUE CYCLIC AMP AND PLASMA GLUCAGON IN THE OBESE HYPERGLYCEMIC MOUSE. Lavine RL, Voyles N, Perrino PV, Recant L *Endocrinology* 97: 615-20, Sep 75 (Eng)

GLUCORECEPTOR DISORDER

EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)

EFFECTS OF NiH) UPON PLASMA GLUCAGON AND GLUCOSE IN RATS. Horak E, Sunderman FW Jr *Toxicol Appl Pharmacol* 33: 388-91, Aug 75 (Eng)

GLUCAGON PREVENTION

PREVENTION BY GLUCAGON OF EXPERIMENTAL STRESS INDUCED HEMORRHAGIC GASTRITIS. Guth PH, Mcroff JC, Paulsen G, Isenberg JJ *Gastroenterology* 69: 1048-50, Oct 75 (Eng)

GLUCAGON SECRETION

EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG. Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)

INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS. II. Grodsky GM, Fanska R, Lundquist I *Endocrinology* 97: 573-80, Sep 75 (Eng)

GLUCAGON STIMULATION

GLUCAGON STIMULATION OF MITOCHONDRIAL RESPIRATION. Yamazaki RK *J Biol Chem* 250: 7924-30, 10 Oct 75 (Eng)

GLUCAGON TEST

[VENTRICULAR ARRHYTHMIA DURING GLUCAGON TEST FOR PHEOCHROMOCYTOMA] Shasha SM, Better OS *Harefuah* 89: 256-7, 16 Sep 75 (Heb)

GLUCAGON TEST, INTRAVENOUS

DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

GLUCOCORTICOID

GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhos O, Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

GLUCONEOGENESIS

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS *Eur J Biochem* 56: 375-83, 15 Aug 75 (Eng)

GLUCORECEPTOR

GLUCORECEPTORS, INSULIN RELEASE, AND DIABETES. Anonymous *Lancet* 2: 646-7, 4 Oct 75 (Eng)

GLUCORECEPTOR DISORDER

LETTER: IS DIABETES MELLITUS A DISORDER OF THE GLUCORECEPTOR? Niki A, Niki H *Lancet* 2: 658, 4 Oct 75 (Eng)

GLUCOSE

GLUCOSE

STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilks SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Tausch HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng)

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficara AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

EFFECTS OF MEDIUM CHAIN TRIGLYCERIDES ON PORTAL AND ARTERIAL LEVELS OF INSULIN, FFA AND GLUCOSE IN PATIENTS WITH PANCREATIC DISEASE. Roydmark S *Acta Med Scand* 198: 123-6, Jul-Aug 75 (Eng)

AGING AND THE DISPOSITION OF GLUCOSE. Andres R, Tobin JD *Adv Exp Med Biol* 61: 239-49, 1975 (Eng)

THE INCORPORATION OF -14C FROM [1-14C] PALMITATE INTO GLUCOSE AND GLYCOGEN IN MICE. Pushpenderan CK, Eapen J *Can J Biochem* 53: 478-84, Apr 75 (Eng)

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

[PLASMA DILUENT USED IN EXTRACORPOREAL CIRCULATION - WITH SPECIAL REFERENCE TO THE CHANGES IN GLUCOSE AND ELECTROLYTE LEVELS] Kikuchi H *Jpn Assoc Thorac Surg* 22: 1112-6, Nov 74 (Jpn)

[VALUES OF GLUCOSE, POTASSIUM AND INORGANIC PHOSPHATE AS METABOLIC INDICATORS OF MYOCARDIAL ISCHEMIA IN HUMANS] Dagenais GR, Marquis Y, Moisan A *Arch Mal Coeur* 68: 169-77, Feb 75 (Fre)

14C-GLUCOSE

EFFECT OF X-IRRADIATION OF THE BIOCHEMICAL MATURATION OF RAT CEREBELLUM: METABOLISM OF [14C]GLUCOSE AND [14C]ACETATE. Patel AJ, Balazs R *Radiat Res* 62: 456-69, Jun 75 (Eng)

D-GLUCOSE

AN ANALYSIS OF THE D-GLUCOSE INFLUX KINETICS OF IN VITRO HAMSTER JEJUNUM, BASED ON CONSIDERATIONS OF THE MASS-TRANSFER COEFFICIENT. Dugas MC, Ramaswamy K, Crane RK *Biochim Biophys Acta* 382: 576-89, 8 Apr 75 (Eng)

UDP-GLUCOSE

[A RECEPTOR FOR UDP-GLUCOSE IN THE MICROSOMAL MEMBRANES OF RAT HEPATOCYTES] Frot-Coutaz J, Berthillier G, Got R *FEBS Lett* 52: 81-4, 15 Mar 75 (Fre)

GLUCOSE ABSORPTION

LETTER: ELECTROGENIC ABSORPTION OF GLUCOSE. Read NW, Levin RJ, Holdsworth CD *Lancet* 1: 631, 15 Mar 75 (Eng)

QUANTITATIVE VARIATIONS IN THE ABSORPTION OF GLUCOSE DURING

DIGESTION OF MAIZE STARCH IN THE PIG. Rerat A, Aumaitre A, Vaugelade P, Vaissade P *Proc Nutr Soc* 33: 102a-103a, Dec 74 (Eng)

THE ABSORPTION OF GLUCOSE FROM THE GUT AND THE AMOUNT REMOVED BY THE LIVER IN YOUNG PIGS. Anderson DM, Northrop AJ *Proc Nutr Soc* 33: 91a, Dec 74 (Eng)

GLUCOSE ANALYSIS, AUTOMATED

THE PREPARATION OF SEVERAL NEW NYLON TUBE-GLUCOSE OXIDASE DERIVATIVES AND THEIR INCORPORATION INTO THE REAGENTLESS AUTOMATED ANALYSIS OF GLUCOSE. Campbell J, Hornby WE, Morris DL *Biochim Biophys Acta* 384: 307-16, 19 Apr 75 (Eng)

GLUCOSE ASSIMILATION

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

[GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION. MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS (AUTHORS TRANSL)] Bittner R, Beger HG, Kraas E, Roscher R *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)

GLUCOSE, BLOOD

SERUM GROWTH HORMONE, SERUM IMMUNOREACTIVE INSULIN AND BLOOD GLUCOSE RESPONSE TO ORAL AND INTRAVENOUS DIAZEPAM IN MAN. Syvalahti EK, Kanto JH *Int J Clin Pharmacol Biopharm* 12: 74-82, Jul 75 (Eng)

CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrne JJ, White RJ *Comp Biochem Physiol [A]* 50: 709-15, 1 Apr 75 (Eng)

[THE EFFECT OF INCREASED ADRENOCORTICAL SECRETION ON BLOOD GLUCOSE LEVELS IN PIGLETS] Raszyk J *Vet Med (Praha)* 19: 60-7, Oct 74 (Cze)

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Nimomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

BLOOD GLUCOSE IN CRAYFISH--I. VARIATIONS ASSOCIATED WITH MOLTING. Telford M *Comp Biochem Physiol [A]* 47: 461-8, 1 Feb 74 (Eng)

BLOOD GLUCOSE, TOTAL SERUM CHOLESTEROL AND TOTAL BILIRUBIN LEVELS OF RATS FOLLOWING EXTRA-INTESTINAL MIGRATION OF STRONGYLOIDES VENEZUELENSIS (BRUMPT, 1934). Petricello RP, Hardy SM *Comp Biochem Physiol [B]* 50: 537-40, 15 Apr 75 (Eng)

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSOPANCREATECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangneker PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

[SOME PROBLEMS BEFORE ANALYZING BLOOD GLUCOSE (AUTHORS TRANSL)] Wakabayashi M *Jpn J Clin Pathol* 22: 761-5, Nov 74 (Jpn)

[SELECTION OF THE ANALYTICAL METHODS OF BLOOD GLUCOSE IN INFANTS (AUTHORS TRANSL)] Mizuta W, Fukuda K, Kumada I, Fujimoto T *Jpn J Clin Pathol* 22: 778-80, Nov 74 (Jpn)

[SPECIFICITY AND MECHANISM OF THE GLUCOSE-O-TOLUIDINE REACTION FOR BLOOD GLUCOSE ASSAY (AUTHORS TRANSL)] Sasaki T, Hata K *Jpn J Clin Pathol* 22: 781-2, Nov 74 (Jpn)

METABOLISM OF BLOOD GLUCOSE BY THE INTACT FUNCTIONING KIDNEY OF THE DOG. Pitts RF, MacLeod MB *Kidney Int* 7: 130-6, Mar 75 (Eng)

GLUCOSE CONCENTRATION

SUCROSE AND GLUCOSE CONCENTRATIONS OF FREQUENTLY INGESTED FOODS. Shannon IL, Wescott WB *J Acad Gen Dent* 23: 37-43, May-Jun 75 (Eng)

ROLE OF ELEVATED GLUCOSE CONCENTRATIONS IN THE HEMOLYSIS OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT ERYTHROCYTES (38474). Glader BE *Proc Soc Exp Biol Med* 148: 50-3, Jan 75 (Eng)

THE DIFFERENCE BETWEEN THE GLUCOSE CONCENTRATIONS IN PLASMA AND WHOLE BLOOD. Holtkamp HC, Verhoef NJ, Leijnse B *Clin Chim Acta* 59: 41-9, 22 Feb 75 (Eng)

GLUCOSE CONTENT

[GLUCOSE CONTENT OF GALLBLADDER BILE AND CHOLEDOCHAL BILE] Paris J, Gerard A, Salembier Y, Samsó G *Tijdschr Gastroenterol* 17: 40-50, 1974 (Fre)

GLUCOSE DETERMINATION

[DETERMINATION OF GLUCOSE IN URINE. COMPARISON BETWEEN TESTAPE, CLINITEST, FERMENTATION SACCHAROMETER AND AUTOANALYZER] Kragh PL, Madsen HG *Ugeskr Laeger* 137: 2308-12, 29 Sep 75 (Dan)

GLUCOSE DETERMINATION, BLOOD

THERMOCHEMICAL DETERMINATION OF GLUCOSE IN SERUM, PLASMA, AND WHOLE BLOOD WITHOUT PRIOR DEPROTEINIZATION. McGlothlin CD, Jordan J *Clin Chem* 21: 741-5, May 75 (Eng)

[RESULTS OF CONTROL SURVEY FOR BLOOD GLUCOSE DETERMINATION AND ITS EVALUATION (AUTHORS TRANSL)] Baba S, Kamenô E, Mukai M, Tomita J, Tabata K *Jpn J Clin Pathol* 22: 751-5, Nov 74 (Jpn)

[EFFECTS OF NON-GLUCOSE SUGARS ON BLOOD GLUCOSE DETERMINATION] Hayashi T, Yamaguchi H *Jpn J Clin Pathol* 22: 756-60, Nov 74 (Jpn)

GLUCOSE DISPOSAL

ABSENCE OF FACILITATED GLUCOSE DISPOSAL (STAUB-TRAUGOTT EFFECT) IN SUBJECTS WITH HYPOPIUITARISM. Abaira C, Graham LA, Lawrence AM *Metabolism* 24: 1145-55, Oct 75 (Eng)

GLUCOSE, DOG

EFFECTS OF CONTINUOUS INFUSION OF CARDIOTONIC AGENTS ON ARTERIAL CATIONS AND GLUCOSE IN DOGS. Chow SY, Chen SM, Lin IL *Chin J Physiol* 21: 159-72, 31 Dec 73 (Eng)

Diabetes Literature—Keyword Index

GLUCOSE UPTAKE

GLUCOSE, DOG PLASMA

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

GLUCOSE EFFECT

EFFECT OF GLUCOSE AND ITS ANALOGUES ON THE ACCUMULATION AND RELEASE OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN A MEMBRANE FRACTION OF *ESCHERICHIA COLI*: RELATION TO BETA-GALACTOSIDASE SYNTHESIS. Seto H, Nagata Y, Maruo B *J Bacteriol* 122: 669-75, May 75 (Eng)

TYPIST: EFFECT OF GLUCOSE AND CYCLIC NUCLEOTIDES ON THE TRANSCRIPTION OF ALPHA-AMYLASE MRHA IN *BACILLUS SUBTILIS*. Priest FG *Biochem Biophys Res Commun* 63: 606-10, 7 Apr 75 (Eng)

GLUCOSE FLUX

RELATION BETWEEN INSULIN AND GLUCOSE FLUX RATES IN THE DOG. Mitsuhashi O, Schucher R, Kalant N *J Lab Clin Med* 86: 683-9, Oct 75 (Eng)

GLUCOSE INDUCED INSULIN RELEASE

ACUTE EFFECTS OF EXOGENOUS GROWTH HORMONE IN MAN: TIME- AND DOSE-BOUND MODIFICATION OF GLUCOSE TOLERANCE AND GLUCOSE-INDUCED INSULIN RELEASE. Adamson U, Cerasi E *Acta Endocrinol (Kbh)* 80: 247-61, Oct 75 (Eng)

GLUCOSE INSULIN POTASSIUM SOLUTION

[PROTECTIVE EFFECT OF GLUCOSE-INSULIN-POTASSIUM SOLUTIONS IN MYOCARDIAL DAMAGE CAUSED BY EMETINE] de Micheli A, Medrano GA, Villarreal A, Sodi-Palares D *Arch Inst Cardiol Mex* 45: 469-86, Jul-Aug 75 (Spa)

GLUCOSE INTERACTION

INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Illic V *Biochem J* 150: 145-52, Aug 75 (Eng)

GLUCOSE INTOLERANCE

LETTER: PYRIDOXINE AND OESTROGEN-INDUCED GLUCOSE INTOLERANCE. Cornish EJ, Tesoriero W *Br Med J* 3: 649-50, 13 Sep 75 (Eng)

GLUCOSE, INTRAVENOUS

EVIDENCE FOR BENEFICIAL EFFECT OF INTRAVENOUS GLUCOSE ON THE HEMODYNAMIC RESPONSE TO ACUTE ASPHYXIA. Scholle SF, Griggs DM Jr *Proc Soc Exp Biol Med* 148: 743-7, Mar 75 (Eng)

GLUCOSE LOAD

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knosp S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

GLUCOSE METABOLISM

PROCEEDINGS: THE EFFECT OF PORTAL AND SYSTEMIC VENOUS DRAINAGE OF THE PANCREAS ON GLUCOSE AND INSULIN METABOLISM. Collin J, Taylor RM, Johnston ID Br *J Surg* 62: 660, Aug 75 (Eng)

THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotzke JP, Steinberg D S *Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL *J Appl Physiol* 38: 236-40, Feb 75 (Eng)

GLUCOSE METABOLISM ENZYME

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS. Belfiore F, Rabuazzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

GLUCOSE OXIDATION

THE EFFECTS OF D- AND L-GLYCERALDEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

METHODS FOR ASSESSING HORMONE (TSH) EFFECTS ON GLUCOSE OXIDATION AND PHOSPHOLIPID SYNTHESIS. Field JB *Methods Enzymol* 37 pt B: 262-8, 1975 (Eng)

GLUCOSE PERMEABILITY

THE EFFECT OF PRESSURE AND THE VOLUME OF ACTIVATION ON THE MONOVALENT CATION AND GLUCOSE PERMEABILITIES OF LIPOSOMES OF VARYING COMPOSITION. Johnson SM, Miller KW *Biochim Biophys Acta* 375: 286-91, 28 Jan 75 (Eng)

GLUCOSE, PLASMA

EFFECTS OF NI(H) UPON PLASMA GLUCAGON AND GLUCOSE IN RATS. Horak E, Sunderman FW Jr *Toxicol Appl Pharmacol* 33: 388-91, Aug 75 (Eng)

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, *ONCORHYNCHUS NERKA*. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol [A]* 47: 821-8, 1 Mar 74 (Eng)

CHANGES IN PLASMA GLUCOSE AND LACTATE CONCENTRATIONS AND ENZYME ACTIVITIES IN THE NEONATAL CALF WITH DIARRHEA. Lewis LD, Phillips RW, Elliott CD *Am J Vet Res* 36: 413-6, Apr 75 (Eng)

GLUCOSE, SERUM

HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)

GLUCOSE STIMULATION

[SERUM AND PLASMA INSULIN LEVELS IN ZINC-DEFICIENT RATS FOLLOWING GLUCOSE STIMULATION] Roth HP, Kirchgessner M *Int J Vitam Nutr Res* 45: 201-8, 1975 (Ger)

GLUCOSE TOLERANCE

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knosp S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DISPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

GLUCOSE TOLERANCE AND THE DIABETIC POPULATION. Malins JM *Postgrad Med J* 50 SUPPL 3: 529-37, Aug 74 (Eng)

ACUTE EFFECTS OF EXOGENOUS GROWTH HORMONE IN MAN: TIME- AND DOSE-BOUND MODIFICATION OF GLUCOSE TOLERANCE AND GLUCOSE-INDUCED INSULIN RELEASE. Adamson U, Cerasi E *Acta Endocrinol (Kbh)* 80: 247-61, Oct 75 (Eng)

GLUCOSE TOLERANCE TEST, ORAL

EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)

[COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANN'S GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQUES DURING THE ORAL GLUCOSE TOLERANCE TEST] Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)

GLUCOSE TURNOVER

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYLPREDNISOLONE. Isselkutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

[TURNOVER AND UTILIZATION OF GLUCOSE AND GLUCOSE SUBSTITUTES IN HUMAN AND ANIMALS] Froesch ER *Nutr Metab* 18 suppl 1: 30-44, 1975 (Ger)

GLUCOSE UPTAKE

EFFECT OF INSULIN ON THE GLUCOSE UPTAKE OF PROTOZOA. Csaba G, Lantos T *Experientia* 31: 1097-8, 15 SEP 75 (Eng)

ANATOMICAL LOCALIZATION OF GLUCOSE UPTAKE BY SCHISTOSOMA MANSONI ADULTS. Rogers SH, Bueding E *Int J Parasitol* 5: 369-71, Jun 75 (Eng)

Diabetes Literature—Keyword Index

GLUCOSE UTILIZATION

GLUCOSE UTILIZATION

[TURNOVER AND UTILIZATION OF GLUCOSE AND GLUCOSE SUBSTITUTES IN HUMAN AND ANIMALS] Froesch ER *Nutr Metab* 18 suppl 1: 30-44, 1975 (Ger)

GLUCOSE UTILIZATION BY THE AVIAN SHELL GLAND. Moynihan JB, Edwards NA *Biochem Soc Trans* 3: 191-3, 1975 (Eng)

THE INABILITY OF THE INHIBITOR OF GLUCOSE UTILIZATION ISOLATED FROM THE SERUM OF URAEMIC SUBJECTS TO INHIBIT LEUCOCYTE MIGRATION. Nilus R, Otto L, Dzurik R *Int Urol Nephrol* 6: 33-4, 1974 (Eng)

METABOLISM OF OCTANOATE AND ITS EFFECT ON GLUCOSE AND PALMITATE UTILIZATION BY ISOLATED FAT CELLS. Maragoudakis ME, Kalinsky HJ, Lennane J *Proc Soc Exp Biol Med* 148: 606-10, Mar 75 (Eng)

EFFECT OF THYROIDECTOMY ON THE IN VITRO UTILIZATION OF GLUCOSE BY HYPOPHYSIS AND HYPOTHALAMUS IN THE RAT. Castro M, Garcia MD, Herrera E *Stenois Lipids Res* 5: 276-81, 1974 (Eng)

GLUCOSE-6-PHOSPHATE

GLUCOSE-6-PHOSPHATE 1-EPIMERASE FROM BAKERS YEAST. Wurster B, Hess B *Methods Enzymol* 41: 488-93, 1975 (Eng)

GLUCOSE-O-TOLUIDINE

[SPECIFICITY AND MECHANISM OF THE GLUCOSE-O-TOLUIDINE REACTION FOR BLOOD GLUCOSE ASSAY (AUTHORS TRANSL)] Sasaki T, Hata K *Jpn J Clin Pathol* 22: 781-2, Nov 74 (Jpn)

GLUTAMATE

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Filer LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

GLUTATHIONE

EFFECTS OF VITAMIN E DEFICIENCY ON GSH-INDUCED SWELLING OF RAT LIVER MITOCHONDRIA. Alojze SO, Ellis LC, Johnson RM, Street JC *Proc Soc Exp Biol Med* 148: 929-32, Mar 75 (Eng)

GLYCEMIA

[REFERENCE METHOD FOR THE ESTIMATION OF GLYCAEMIA BY GAS-LIQUID CHROMATOGRAPHY (AUTHORS TRANSL)] Cahour A, Lebbe J, Hartmann L *Clin Chim Acta* 55: 139-46, 16 Sep 74 (Fre)

L-GLYCERALDEHYDE

THE EFFECTS OF D- AND L-GLYCERALDEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

3-P2-GLYCERATE

GLYCOLYSIS IN HUMAN ERYTHROCYTES CONTAINING ELEVATED CONCENTRATIONS OF 2, 3-P2-GLYCERATE. Duhm J *Biochim Biophys Acta* 385: 68-80, 14 Mar 75 (Eng)

GLYCEROL

GLYCEROL: MAJOR CONTRIBUTOR TO THE SHORT TERM PROTEIN SPARING EFFECT OF FAT EMULSIONS IN NORMAL MAN. Brennan MF, Fitzpatrick GF, Cohen KH, Moore FD *Ann Surg* 182: 386-94, Oct 75 (Eng)

GLYCEROL CLEARANCE

LETTER: IMPAIRED GLYCEROL CLEARANCE IN OBESITY. Wade AJ *Lancet* 2: 708, 11 Oct 75 (Eng)

GLYCINE COUPLING

COUPLING OF GLYCINE AND ALANINE TRANSPORT TO RESPIRATION IN CELLS OF ESCHERICHIA COLI. Spratt GD, Dimock K, Martin WG, Schneider H *Can J Biochem* 53: 262-8, Mar 75 (Eng)

DES-AL-GLYCINE INSULIN

[SEMISYNTHETIC SHEEP DES-AL-GLYCINE INSULIN (AUTHORS TRANSL)] Berndt H, Gattner HG, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1469-72, Sep 75 (Ger)

GLYCOGEN

[EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PAN-CREATECTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Rietti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)

THE INCORPORATION OF -14C FROM [1-14C] PALMITATE INTO GLUCOSE AND GLYCOGEN IN MICE. Pushpendran CK, Eapen J *Can J Biochem* 53: 478-84, Apr 75 (Eng)

GLYCOGEN CONTENT

[GLYCOGEN CONTENT OF THE LEUKOCYTES IN PATIENTS WITH DIABETES MELLITUS] Pavlov BA, Sokolova II *Klin Med (Mosk)* 57: 88-93, Mar 74 (Rus)

GLYCOGEN, MUSCLE

CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrne JJ, White RJ *Comp Biochem Physiol [A]* 50: 709-15, 1 Apr 75 (Eng)

GLYCOGEN PHOSPHORYLASE, YEAST

AMINO ACID SEQUENCE OF TWO FUNCTIONAL SITES IN YEAST GLYCOGEN PHOSPHORYLASE. Lerch K, Fischer EH *Biochemistry* 14: 2009-14, 6 May 75 (Eng)

GLYCOGEN STORAGE

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE IN THERMAL TRAUMA. I. EFFECT OF EXOGENOUS INSULIN. Hessman Y, Thoren L *Acta Chir Scand* 141: 385-92, 1975 (Eng)

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE DURING CONTINUOUS INFUSION OF ADRENALIN. II. EFFECT OF EXOGENOUS INSULIN. Hessman Y *Acta Chir Scand* 141: 393-8, 1975 (Eng)

GLYCOGEN SYNTHESIS

GLYCOGEN SYNTHESIS IN THE PERFUSED LIVER OF STREPTOZOTOCIN-DIABETIC RATS. Whittton PD, Hems DA *Biochem J* 150: 153-65, Aug 75 (Eng)

GLYCOGEN SYNTHETASE

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Ui M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

GLYCOGENIC DEPLETION

[DETERMINATION OF THE DISTRIBUTION OF GAMMA FUSIMOTOR AXONS IN THE CAT BY GLYCOGENIC DEPLETION] Barker D, Emonet-Denand F, Harker D, Jami L, Laporte Y *C R Acad Sci [D] (Paris)* 279: 1595-8, 4 Nov 74 (Fre)

GLYCOGENOLYSIS

CONTROL OF PLATELET GLYCOGENOLYSIS: ACTIVATION OF PHOSPHORYLASE KINASE BY CALCIUM. Gear AR, Schneider W *Biochim Biophys Acta* 392: 111-20, 5 May 75 (Eng)

EPINEPHRINE-INDUCED HYPERGLYCEMIA AND GLYCOGENOLYSIS IN FED AND FASTED NEONATAL SWINE. Stanton HC, Mueller RL *Biol Neonate* 25: 307-19, 1974 (Eng)

GLYCOLATE LEVEL

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

GLYCOLYSIS

GLYCOLYSIS IN HUMAN ERYTHROCYTES CONTAINING ELEVATED CONCENTRATIONS OF 2, 3-P2-GLYCERATE. Duhm J *Biochim Biophys Acta* 385: 68-80, 14 Mar 75 (Eng)

GLYCOLYTIC ENZYME

REGIONAL VARIATION IN GLYCOLYTIC ENZYME ADAPTATION TO DIETARY SUGARS IN RAT SMALL INTESTINE. Espinoza J, Hritz A, Kaplan R, Clark SB, Rosensweig NS *Am J Clin Nutr* 28: 453-8, May 75 (Eng)

GLYCOLYTIC METABOLISM

OXIDATIVE AND GLYCOLYTIC METABOLISM OF SEMEN COMPONENTS BY WASHED GUINEA PIG SPERMATOZOEA. Frenkel G, Peterson RN, Freund M *Fertil Steril* 26: 144-7, Feb 75 (Eng)

GLYCOPROTEIN

CIRCULAR DICHROISM OF ERYTHROCYTE MEMBRANE GLYCOPROTEINS. Decker RV, Carraway KL *Biochim Biophys Acta* 386: 52-61, 28 Mar 75 (Eng)

GLYCOPROTEIN, MYELIN

[35-S]SULFATE INCORPORATION INTO MYELIN GLYCOPROTEINS; II. PERIPHERAL NERVOUS TISSUE. Matthieu JM, Everly JL, Brady RO, Quarles RH *Biochim Biophys Acta* 392: 167-74, 5 May 75 (Eng)

GLYCOPROTEIN, SERUM

SERUM GLYCOPROTEIN LEVEL AS A POSSIBLE EARLY SCREENING FOR THE

Diabetes Literature—Keyword Index

GROWTH RETARDATION, INTRAUTERINE

DEVELOPMENT OF DIABETIC RETINOPATHY. Denswil EH, Huitink MA, Junge J *Ophthalmologica* 171: 316-7, 1975 (Eng)

GLYCOREGULATION

[ACTION OF PHENYTOIN ON GLYCOREGULATION] Hazard J, Perlemuter L *Nouv Presse Med* 4: 2263-5, 27 Sep 75 (Fre)

GLYCOSAMINOGLYCAN

GLYCOSAMINOGLYCANS AND HYDROXYPROLINE OF RABBIT LENS IN THE COURSE OF ARTIFICIAL ATHEROSCLEROSIS AND ALLOXAN DIABETES. Hanzlik J, Tomaszewski J *Folia Biol (Krakow)* 23: 293-8, 1975 (Eng)

GLYCOSPHINGOLIPID, PLASMA

PLASMA GLYCOSPHINGOLIPIDS IN DIABETICS AND NORMALS. Kremer GJ, Atzpodien W, Schnellbacher E *Klin Wochenschr* 53: 637-8, 1 Jul 75 (Eng)

GOLD THIOGLUCOSE LESION

EFFECT OF DIABETES ON GOLD THIOGLUCOSE LESIONS IN RATS. Kellar KJ, Sterling GH, O'Neill JJ *Proc West Pharmacol Soc* 18: 380-3, 1975 (Eng)

GOLDTHIOGLUCOSE

A STUDY OF CONNECTIVE TISSUE MACROMOLECULES IN SKIN OF MICE WITH GOLDTHIOGLUCOSE-INDUCED OBESITY. Dalferes ER Jr, Radhakrishnamurthy B, Crouch MS, Berenson GS *Proc Soc Exp Biol Med* 148: 918-24, Mar 75 (Eng)

GONADOTROPHIN

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irueta O, Foglia VG *Rev Soc Argent Biol* 48: 49-48-60, Apr 72-Nov 73 (Spa)

GONADOTROPIN, HUMAN CHORIONIC

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geisthoel W, Niedergerke U, Morgner KD, Willms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

GOUT

[INCIDENCE OF HYPERURICEMIA AND GOUT IN CORONARY INSUFFICIENCY FROM ANGINA PECTORIS TO MYOCARDIAL INFARCT] May V, Robert H *Rev Rhum Mal Osteoartic* 42: 467-70, Jul-Sep 75 (Fre)

GRANULOCYTE DYSFUNCTION

[GRANULOCYTE DYSFUNCTION. PART II. SECONDARY DEFECTS. (AUTHORS TRANSL)] Niethammer D, Wildfeuer A, Kleihauer E, Haferkamp O *Klin Wochenschr* 53: 739-46, 15 Aug 75 (Ger)

GROWTH HORMONE

L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE

OBES. Pinter EJ, Tolis G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandson SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Deleon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riodel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANE SALMON, ONCORHYNCHUS NERKA. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol [A]* 47: 821-8, 1 Mar 74 (Eng)

GROWTH HORMONE EFFECT

ACUTE EFFECTS OF EXOGENOUS GROWTH HORMONE IN MAN: TIME- AND DOSE-BOUND MODIFICATION OF GLUCOSE TOLERANCE AND GLUCOSE-INDUCED INSULIN RELEASE. Adamson U, Cerasi E *Acta Endocrinol (Kbh)* 80: 247-61, Oct 75 (Eng)

THE EFFECT OF GROWTH HORMONE ON CALCIUM METABOLISM IN THE SHEEP. Braithwaite GD *Br J Nutr* 33: 309-14, May 75 (Eng)

GROWTH HORMONE, HUMAN

EDITORIAL: HUMAN GROWTH HORMONE. Hayles AB *Can Med Assoc J* 112: 1282, 7 Jun 75 (Eng)

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Liuzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

CHARACTERIZATION OF HUMAN GROWTH HORMONE PREPARATIONS USED FOR THE TREATMENT OF PITUITARY DWARFISM: A COMPARISON OF CONCURRENTLY USED BATCHES. Holmstrom B, Fohlenhag K *J Clin Endocrinol Metab* 40: 856-62, May 75 (Eng)

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riodel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

GROWTH HORMONE, PLASMA

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Liuzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

PLASMA GROWTH HORMONE AND SLOW WAVE SLEEP INCREASE AFTER INTERRUPTION OF SHEEP. Beck U, Brezinova V, Hunter WM, Oswald J *J Clin Endocrinol Metab* 40: 812-5, May 75 (Eng)

EFFECT OF RIBOFLAVIN ON PLASMA GROWTH HORMONE AND SERUM IRON IN MAN. Schendel H, Gordon A *Am J Clin Nutr* 28: 569-70, Jun 75 (Eng)

GROWTH HORMONE RELEASE

RELEASE OF GROWTH HORMONE FROM OX PITUITARY SLICES AFTER PRONASE TREATMENT. Schofield JG, Orci L *J Cell Biol* 65: 223-7, Apr 75 (Eng)

THE EFFECT OF ACUTE HYPERCALCEMIA ON GROWTH HORMONE RELEASE IN MAN. Ajlouni K, Hagen TC *J Clin Endocrinol Metab* 40: 780-2, May 75 (Eng)

GROWTH HORMONE RESPONSE

RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyte KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)

GROWTH HORMONE SECRETION

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paep M, Marcus S, Peeters G *J Endocrinol* 66: 213-24, Aug 75 (Eng)

[INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerrato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Exp* 138: 107-11, 31 Jul 75 (Spa)

SLEEP-RELATED GROWTH HORMONE SECRETION AND MORNING NAPS. Othmer E, Mendelson WB, Levine WR, Malarkey WB, Daughaday WH *Steroids Lipids Res* 5: 380-6, 1974 (Eng)

GROWTH HORMONE, SERUM

[EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESSE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)

SERUM GROWTH HORMONE, SERUM IMMUNOREACTIVE INSULIN AND BLOOD GLUCOSE RESPONSE TO ORAL AND INTRAVENOUS DIAZEPAM IN MAN. Syvalahti EK, Kanto JH *Int J Clin Pharmacol Biopharm* 12: 74-82, Jul 75 (Eng)

[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)

GROWTH RETARDATION, INTRAUTERINE

STUDIES IN CALCIUM METABOLISM IN INFANTS WITH INTRAUTERINE GROWTH RETARDATION. Tsang RC, Gigger M, Oh W, Brown DR *J Pediatr* 86: 936-41, Jun 75 (Eng)

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GUANOSINE TRIPHOSPHATE

GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhas O, Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

GUANOSINE-3,5-CYCLICMONOPHOSPHATE

THE ROLE OF CYCLIC GMP IN THE REGULATION OF CYCLIC AMP HYDROLYSIS. Terasaki WL, Appleman MM *Metabolism* 24: 311-9, Mar 75 (Eng)

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS. Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuchl FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

5-GUANYLYL IMIDODIPHOSPHATE

THE CATECHOLAMINE-RESPONSIVE ADENYLATE CYCLASE SYSTEM AND ITS MODIFICATION BY 5GUANYLYLIMIDODIPHOSPHATE. Schramm M *Adv Cyclic Nucleotide Res* 5: 105-15, 1975 (Eng)

GUINEA PIG

OXIDATIVE AND GLYCOLYTIC METABOLISM OF SEMEN COMPONENTS BY WASHED GUINEA PIG SPERMATOZOA. Frenkel G, Peterson RN, Freund M *Fertil Steril* 26: 144-7, Feb 75 (Eng)

GUT

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DISPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

THE ABSORPTION OF GLUCOSE FROM THE GUT AND THE AMOUNT REMOVED BY THE LIVER IN YOUNG PIGS. Anderson DM, Northrop AJ *Proc Nutr Soc* 33: 91a, Dec 74 (Eng)

HALOFENATE

THE METABOLIC SPECTRUM OF HALOFENATE. Ryan JR *Int J Clin Pharmacol Biopharm* 12: 239-43, Jul 75 (Eng)

HAMSTER

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3:5 MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

HEAD INJURY

CLOSED HEAD INJURY COMPLICATED BY NONKETOTIC HYPERGLYCEMIC HYPEROSMOLAR COMA. Park BE, Hester RW, Netsky MG *Surg Neurol* 4: 330-2, Sep 75 (Eng)

HEALTHY SUBJECT

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

HEART

[HEART DEATH AND ORAL ANTIDIABETICS; THE LAST JUDGEMENT] Toubert JL *Ned Tijdschr Geneesk* 119: 1506-8, 27 Sep 75 (Dut)

HEART, BOVINE

CATALYTIC PROPERTIES OF PHOSPHOLIPID EXCHANGE PROTEIN FROM BOVINE HEART. Johnson LW, Zilversmit DB *Biochim Biophys Acta* 375: 165-75, 28 Jan 75 (Eng)

HEART CONTRACTION

MITOCHONDRIA, CA²⁺ TRANSPORT AND THE REGULATION OF HEART CONTRACTION AND METABOLISM. Carafoli E *J Mol Cell Cardiol* 7: 83-7, Feb 75 (Eng) [40]

HEART DISEASE, ISCHEMIC

[DIURNAL FLUCTUATIONS OF BLOOD LIPIDS AND SUGAR LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH ISCHEMIC HEART DISEASES] Krivoruchenko IV, Ianushkene TS *Kardiologia* 15: 78-84, Feb 75 (Rus)

HEART, DOG

SUCCESSFUL ORTHOTOPIC ALLOTRANSPLANTATION OF HEARTS FROM DOGS IN IRREVERSIBLE SHOCK. Culpepper RD, Kondo Y, Hardy JD, Turner MD *Surgery* 77: 126-31, Jan 75 (Eng)

HEART, GUINEA PIG

INFLUENCE OF SODIUM PALMITATE ON THE CELLULAR ACTION OF POTENTIALS OF THE LEFT VENTRICLE OF ISOLATED, PERFUSED GUINEA-PIG HEART. Wasilewska-Dziubinska E, Czarnecka M, Beresiewicz A, Lewartowski B *Acta Physiol Pol* 26: 1-11, Jan-Feb 75 (Eng)

HEART, HUMAN

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL)] Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ *Anaesthesist* 23: 101-4, Mar 74 (Ger)

HEART RATE

PLASMA ADRENALINE CONCENTRATIONS IN RATS: INFLUENCE OF ANAESTHETICS AND HEART RATE RESPONSE TO PRONETHALOL. Dean HG, Rylett PA *J Pharm Pharmacol* 27: 70-1, Jan 75 (Eng)

HELMINTH PARASITE

MEMBRANE TRANSPORT IN HELMINTH PARASITES: A REVIEW. Pappas PW *Exp Parasitol* 37: 469-530, Jan 75 (Eng) [134]

HEMOCHROMATOSIS

[LETTER: CUTANEOUS MICROANGIOPATHY OF DIABETES FOLLOWING HEMOCHROMATOSIS] Romani JD *Nouv Presse Med* 4: 2116 (1), 13 Sep 75 (Fre)

[DEVELOPMENT OF HEMOCHROMATOSES] Bercovici JP, Leuzinger D *Nouv Presse Med* 4: 2257-8, 27 Sep 75 (Fre)

HEMODIALYSIS

ABNORMAL RED CELL METABOLISM IN PATIENTS WITH CHRONIC UREMIA: NATURE OF THE DEFECT AND ITS PERSISTENCE DESPITE ADEQUATE HEMODIALYSIS. Yawata Y, Jacob HS *Blood* 45: 231-9, Feb 75 (Eng)

HEMODYNAMIC RESPONSE

EVIDENCE FOR BENEFICIAL EFFECT OF INTRAVENOUS GLUCOSE ON THE HEMODYNAMIC RESPONSE TO ACUTE ASPHYXIA. Scholle SF, Griggs DM Jr *Proc Soc Exp Biol Med* 148: 743-7, Mar 75 (Eng)

HEMOGLOBIN

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Ninomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

HEMOLYSIS

ROLE OF ELEVATED GLUCOSE CONCENTRATIONS IN THE HEMOLYSIS OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT ERYTHROCYTES (38474). Glader BE *Proc Soc Exp Biol Med* 148: 50-3, Jan 75 (Eng)

HEMORRHAGIC SHOCK

MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PANCREATICTOMIZED DOG. Coleman B, Kallal JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)

THE INFLUENCE OF DIET ON RESPONSE TO HEMORRHAGIC SHOCK. Drucker WR, Howard PL, McCoy S *Ann Surg* 181: 698-704, May 75 (Eng)

HEPATECTOMY EFFECT

[THE EFFECT OF PARTIAL HEPATECTOMY ON THE QUANTITY OF SOMATOTROPINS IN RAT ADENOHYPOPHYSIS] Sidorova VF *Biull Eksp Biol Med* 79: 97-100, Mar 75 (Rus)

HEPATOCYTE, RAT

STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilks SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

AMINOISOBUTYRIC ACID TRANSPORT IN PRIMARY CULTURES OF NORMAL ADULT RAT HEPATOCYTES. Ayala E, Canonico PG *Proc Soc Exp Biol Med* 149: 1019-22, Sep 75 (Eng)

[A RECEPTOR FOR UDP-GLUCOSE IN THE MICROSOMAL MEMBRANES OF RAT HEPATOCYTES] Frot-Coutaz J, Berthillier G, Got R *FEBS Lett* 52: 81-4, 15 Mar 75 (Fre)

HEPATOTOXIC RESPONSE

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6-HYDROXYDOPAMINE

HORMONE ANTAGONIST

PREPARATION AND CHARACTERIZATION OF A HORMONE ANTAGONIST FROM ADIPOCYTES. Ho RJ, Bomboy JD, Wasner HK, Sutherland EW *Methods Enzymol* 37 pt B: 431-8, 1975 (Eng)

HORMONE RELEASE

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

HOSPITAL DISCHARGE

PROBLEMS RELATING TO THE DISCHARGE OF ELDERLY PATIENTS FROM HOSPITAL. Hofmeyr H, De V. Meiring P *S Afr Med J* 49: 1614-6, 13 Sep 75 (Eng)

HOSPITAL POPULATION

DETERMINATION OF NORMAL VALUES FROM A HOSPITAL POPULATION. Collins PP *Am J Med Technol* 41: 173-9, May 75 (Eng)

HYDROCHLORIC ACID

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kinsebah AH, Clarke P, Vydelingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

HYDROCORTISONE

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Ui M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMATIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

HYDROLYSIS

THE ROLE OF CYCLIC GMP IN THE REGULATION OF CYCLIC AMP HYDROLYSIS. Terasaki WL, Appleman MM *Metabolism* 24: 311-9, Mar 75 (Eng)

HYDROPEROXIDE, LINOETIC

TUMOURS AND HORMONAL CHANGES PRODUCED IN RATS BY SUBCUTANEOUS INJECTIONS OF LINOETIC ACID HYDROPEROXIDE. Cutler MG, Schneider R *Food Cosmet Toxicol* 12: 451-9, Aug 74 (Eng)

6-HYDROXYDOPAMINE

PREVENTION OF 6-HYDROXYDOPAMINE NEUROTOXICITY. Cohen G, Allis B, Winston B, Mytilineou C, Heikkila R *Eur J Pharmacol* 33: 217-21, Aug 75 (Eng)

DIABETIC RATS. Hanazono GK, Witschi H, Plaa GL *Proc Soc Exp Biol Med* 149: 903-7, Sep 75 (Eng)

HEREDITARY DEFICIENCY

[HEREDITARY DEFICIENCY OF ISOMALTASE AND SACCHARASE RESPONSIBLE FOR A MALABSORPTION SYNDROME (AUTHORS TRANSL)] Niessen KH, Brugmann G, Schmidt K *Klin Padiatr* 187: 163-70, Mar 75 (Ger)

HEREDITY

[LETTER: HEREDITY OF DIABETES MELLITUS] Chimenos H, Romani JD *Nouv Presse Med* 4: 2040, 30 Aug-6 Sep 75 (Fre)

HEXOKINASE

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMATIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

HEXOKINASE, WHEAT GERM

REGULATORY BEHAVIOR OF MONOMERIC ENZYMES. 2. A WHEAT-GERM HEXOKINASE AS A MNEMONICAL ENZYME. Meunier JC, Buc J, Navarro A, Ricard J *Eur J Biochem* 49: 209-23, 1 Nov 74 (Eng)

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HIND LIMB, SHEEP

PROCEEDINGS: BLOOD FLOW AND SUBSTRATE UPTAKE AND OXIDATION IN THE HIND LIMB MUSCLES OF SHEEP. Domanski A, Links DB, Setchell BP *J Physiol (Lond)* 242: 28-29P, Oct 74 (Eng)

HISTAMINE EFFECT

PROCEEDINGS: EFFECT OF THE HISTAMINE H₂ RECEPTOR ANTAGONIST, CIMETIDINE, ON INSULIN-INDUCED GASTRIC SECRETION IN MAN. Carter DC, Logan R, Forrest JA, Ansell I, Heading RC *Br J Surg* 62: 664-5, Aug 75 (Eng)

HISTAMINE, RABBIT AORTA

RABBIT AORTIC HISTAMINE SYNTHESIS FOLLOWING SHORT-TERM CHOLESTEROL FEEDING. Hollis TM, Sloss RJ *Atherosclerosis* 21: 125-34, Mar-Apr 75 (Eng)

HISTOCOMPATIBILITY ANTIGEN

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Batchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

HISTOLOGY, POST MORTEM

POST-MORTEM HISTOLOGY OF THE ISLETS OF LANGERHANS IN JUVENILE DIABETES MELLITUS. Doniach I *Postgrad Med J* 50 SUPPL 3: 544-5, Aug 74 (Eng)

HISTONE PHOSPHORYLATION

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. I. GTP AS

NUCLEOTIDE SUBSTRATE FOR HISTONE PHOSPHORYLATION. Skala JP, Knight BL *Biochim Biophys Acta* 385: 114-23, 14 Mar 75 (Eng)

HOFFMANS TECHNIC

[COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANS, GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQUES DURING THE ORAL GLUCOSE TOLERANCE TEST] Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)

HOMEOSTASIS

FUEL HOMEOSTASIS IN EXERCISE. Felig P, Wahren J *N Engl J Med* 293: 1078-84, 20 Nov 75 (Eng)

HOMOGENATE, PLACENTAL

[THE PHYSICAL DEVELOPMENT OF NEWBORN INFANTS AND THE FREE AMINO ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Panfirov VV *Pediatr Akush Ginekol* 43-6, Mar-Apr 75 (Ukr)

HOMOGENATE SYSTEM

CONCENTRATIONS IN VITRO OF VARIOUS ENZYMES IN LIVER HOMOGENATES DURING THE FIRST FEW DAYS OF A PERIOD OF STARVATION. den Otter W *Periodontol* 63: 611-24, ar 754 (Eng)

HOMOGRAFT, DOG

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etievent J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

HORMONAL CONTRACEPTIVE

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

HORMONAL CONTROL

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS. Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG *Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

HORMONE

BIPHASIC EFFECT OF THE ALPHA-ADRENOLYTIC PHENTOLAMINE ON HORMONE-STIMULATED FORMATION OF CYCLIC ADENOSINE-3',5'-MONOPHOSPHATE IN ISOLATED FAT CELLS OF RATS. Stock K, Thomas T *Metabolism* 24: 277-86, Mar 75 (Eng)

CELL MEMBRANES AND DISEASE. GENES, VIRUSES, HORMONES AND THE IMMUNE RESPONSE-AN INTRODUCTION. Dmochowski L, Bowen JM *Am J Clin Pathol* 63: 619-28, May 75 (Eng) [32]

THE USE OF INHIBITORS IN THE STUDY OF HORMONE MECHANISMS IN CELL CULTURE. Scott WA, Tomkins GM *Methods Enzymol* 40: 273-93, 1975 (Eng)

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HYDROXYPROLINE

HYDROXYPROLINE

GLYCOSAMINOGLYCANS AND HYDROXYPROLINE OF RABBIT LENS IN THE COURSE OF ARTIFICIAL ATHEROSCLEROSIS AND ALLOXAN DIABETES. Hanzlik J, Tomaszewski J *Folia Biol (Krakow)* 23: 293-8, 1975 (Eng)

HYDROXYQUINOLINE

[JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL.) Azubuike JC, Gullotta F, Kallfelz HC, Gellissen K, Mende S, Exss R *Neuropadiatrie* 6: 292-306, Aug 75 (Ger)

HYPERAMINOACIDEMIA

HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltész G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)

HYPERCALCEMIA, ACUTE

THE EFFECT OF ACUTE HYPERCALCEMIA ON GROWTH HORMONE RELEASE IN MAN. Ajlouni K, Hagen TC *J Clin Endocrinol Metab* 40: 780-2, May 75 (Eng)

HYPERCORTISOLISM

CLINICAL TESTING OF THE HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL SYSTEM IN STATES OF HYPO- AND HYPERCORTISOLISM. Gwinup G, Johnson B *Metabolism* 24: 777-91, Jun 75 (Eng) [87]

HYPERGLYCEMIA

EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)

[PROCEEDINGS: HYPERGLYCEMIA IN THE EARLY PHASE OF ALLOXAN ADMINISTRATION AND SYMPATHETIC NERVE INTERRUPTION] Yasumitsu C, Matsuoka Y, Tanaka I *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Jpn)

ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)

HYPERGLYCEMIA PRODUCED BY VESPA ORIENTALIS VENOM SAC EXTRACT. Ishay J *Toxicol* 13: 221-6, Aug 75 (Eng)

LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)

EPINEPHRINE-INDUCED HYPERGLYCEMIA AND GLYCOGENOLYSIS IN FED AND FASTED NEONATAL SWINE. Stanton HC, Mueller RL *Biol Neonate* 25: 307-19, 1974 (Eng)

HYPERGLYCEMIA, CONGENITAL

[CONGENITAL HYPERGLYCEMIA WITHOUT KETOSIS] Piusan C, Saudubray JM, Audebert M, Van Poperinghe M, Rishbourg B *Pediatr* 30: 429-31, Jun 75 (Fre)

HYPERGLYCEMIA, INDUCED

[INDUCED HYPERGLYCEMIA AND THE CONCLUSIONS RESULTING FROM IT] Teuscher A, Hurni L *Rev Med Suisse Romande* 95: 315-24, May 75 (Fre)

HYPERINSULINISM

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS ISLET POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

HYPERLIPEMIC STATE

DIETARY CARBOHYDRATES AND HYPERLIPEMIC STATES IN MAN. Bierman EL *Nutr Metab* 18 suppl 1: 108-14, 1975 (Eng)

HYPERLIPIDEMIA

STUDIES IN ASYMPTOMATIC PRIMARY HYPERLIPIDEMIA. IV. ECG AT REST AND DURING EXERCISE AND ITS RELATION TO VARIOUS LIPOPROTEIN CLASSES. Olsson AG, Ekelund LG, Carlson LA *Acta Med Scand* 198: 55-73, Jul-Aug 75 (Eng)

ALCOHOLIC HYPERLIPIDEMIA. Stahelin HB, Nissen C, Sommer P, Widmer LK *Int J Vitam Nutr Res* 44: 507-20, 1974 (Eng)

HYPERLIPOPROTEINEMIA

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfer P, Michael R, Knospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

HYPERLIPOPROTEINEMIA FREQUENCY

[FREQUENCY AND DISTRIBUTION OF TYPES OF HYPERLIPOPROTEINEMIA WITH LIFE-SHORTENING RISK FACTORS AMONG AMBULANT PATIENTS (AUTHORS TRANSL.) Mertz DP, Hohnack A *Med Klin* 70: 1209-13, 11 Jul 75 (Ger)

HYPERLIPOPROTEINEMIA, TYPE IIA

EFFECTS OF DIET AND TYPE IIA HYPERLIPOPROTEINEMIA UPON STRUCTURE OF TRIACYLGLYCEROLS AND PHOSPHATIDYL CHOLINES FROM HUMAN PLASMA LIPOPROTEINS. Gordon DT, Pitas RE, Jensen RG *Lipids* 10: 270-83, May 75 (Eng)

HYPERSENSITIVITY

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 1-5, May 74 (Eng)

DELAYED HYPERSENSITIVITY IN NORMAL AND ALEUTIAN DISEASE-AFFECTED MINK. Munoz J, Lodmell DL, Race RE, Jackson TA, Hadlow WJ *Z Immunitätsforsch* 147: 53-60, May 74 (Eng)

HYPERSONNOLENT STATE

[THE CLINICAL PICTURE AND PATHOGENESIS OF HYPOGLYCEMIC HYPERSONNOLENT STATES WITH PRESENTATION OF A SPECIAL CASE] Taneva I, Mishev P, Mitkov V *Khirurgiia (Sofia)* 27: 429-30, 1974 (Bul)

HYPERTENSION

EDITORIAL: PHENFORMIN AND HYPERTENSION. Anonymous *Br Med J* 3: 724-5, 27 Sep 75 (Eng)

MICROVASCULAR PERMEABILITY TO PLASMA PROTEINS IN HYPERTENSION AND DIABETES MELLITUS IN MAN—ON THE PATHOGENESIS OF HYPERTENSIVE AND DIABETIC MICROANGIOPATHY. Parving HH *Dan Med Bull* 22: 217-33, Sep 75 (Eng)

STUDY OF RENAL FUNCTIONS BY REPEATED CONSTANT INFUSION OF RADIOTRACERS BEFORE AND AFTER INITIATION OF THERAPY IN HYPERTENSION OR IN DIABETES MELLITUS. Mirouze J, Monnier L, Olivier C *Pathol Biol (Paris)* 23: 599-603, Oct 75 (Eng)

HYPERTRIGLYCERIDEMIA

EVIDENCE FOR DIABETES MELLITUS AND GENETIC FORMS OF HYPERTRIGLYCERIDEMIA AS INDEPENDENT ENTITIES. Brunzell JD, Hazzard WR, Motulsky AG, Bierman EL *Metabolism* 24: 1115-21, Oct 75 (Eng)

EFFECTS OF POLYUNSATURATED FATS ON LIPID METABOLISM IN PATIENTS WITH HYPERTRIGLYCERIDEMIA. Grundy SM *J Clin Invest* 55: 269-82, Feb 75 (Eng)

HYPERURICEMIA

[INCIDENCE OF HYPERURICEMIA AND GOUT IN CORONARY INSUFFICIENCY FROM ANGINA PECTORIS TO MYOCARDIAL INFARCT] May V, Robert H *Rev Rhum Mal Osteoarthr* 42: 467-70, Jul-Sep 75 (Fre)

HYPOCHOLESTEROLEMIC ACTIVITY

HYPOCHOLESTEROLEMIC ACTIVITY OF COLESTIPOL IN DIABETES. Bandiside MS, Boshell BR *Curr Ther Res* 18: 276-84, Aug 75 (Eng)

HYPOGLYCEMIA

EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)

EDITORIAL: HYPOGLYCEMIA DURING FASTING. Ricketts HT *JAMA* 234: 186, 13 Oct 75 (Eng)

[LETTER: HYPOGLYCEMIA AND PERHEXILINE] Feldman G *Nouv Presse Med* 3: 2580, 30 Nov-14 Dec 74 (Fre)

HYPOGLYCEMIA EFFECT

EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN. Hamet P, Lowder SC, Hardman JG, Liddle GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

HYPOGLYCEMIA, NEONATAL

[NEONATAL HYPOGLYCEMIA. A REVIEW ON PATHOPHYSIOLOGY, CLINICAL ASPECTS AND TREATMENT (AUTHORS TRANSL.) Bossi E *Praxis* 64: 1214-9, 23 Sep 75 (Ger)

Diabetes Literature—Keyword Index

IMPLANTABLE INSULIN DELIVERY PUMP

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labruné B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

HYPOGLYCEMIA, POSTGLUCOSE

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

HYPOGLYCEMIA, REACTIVE

REACTIVE HYPOGLYCEMIA. Hofeldt FD *Metabolism* 24: 1193-208, Oct 75 (Eng)

HYPOGLYCEMIC

HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltesz G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)

[THE CLINICAL PICTURE AND PATHOGENESIS OF HYPOGLYCEMIC HYPERSOMNOLENT STATES WITH PRESENTATION OF A SPECIAL CASE] Taneva I, Mishev P, Mitkov V *Khirurgiia (Sofia)* 27: 429-30, 1974 (Bul)

HYPOGLYCEMIC ACTION

[DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL.)] Azzopardi J, Campbell IW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)

HYPOGONADISM

[KALLMANS SYNDROME--HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodecim* 91: 649-56, 1975 (Fin)

HYPONATREMIA

[DIABETES MELLITUS AND HYPONATREMIA] Iwamoto Y *Jpn J Clin Med* 33: 2075-80, Jun 75 (Jpn)

DILUTIONAL HYPONATREMIA DUE TO DIAZOXIDE-PRODUCED POLYDIPSIA. Tang M, Falk JL *Pharmacol Biochem Behav* 3: 115-9, Jan-Feb 75 (Eng)

HYPOPARATHYROIDISM

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION. INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Exp* 138: 321-6, 31 Aug 75 (Spa)

HYPOPHYSECTOMY EFFECT

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSOPANCREATECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangneker PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

HYPOPHYSIOTROPIC SUBSTANCE

IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOPHYSIOTROPIC SUBSTANCES. Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)

HYPOPHYSIS

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOPHYSIS--ADRENAL CORTISOL SYSTEM] Shaliapina VG, Filaretov AA *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

EFFECT OF THYROIDECTOMY ON THE IN VITRO UTILIZATION OF GLUCOSE BY HYPOPHYSIS AND HYPOTHALAMUS IN THE RAT. Castro M, Garcia MD, Herrera E *Steroids Lipids Res* 5: 276-81, 1974 (Eng)

HYPOPHYSOPANCREATECTOMY EFFECT

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSOPANCREATECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangneker PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

HYPOPITUITARISM

ABSENCE OF FACILITATED GLUCOSE DISPOSAL (STAUB-TRAUGOTT EFFECT) IN SUBJECTS WITH HYPOPITUITARISM. Abraitra C, Graham LA, Lawrence AM *Metabolism* 24: 1145-55, Oct 75 (Eng)

HYPOTENSION EFFECT

EFFECTS OF HYPOTENSION ON RHESUS MONKEYS. Gamache FW Jr, Myers RE *Arch Neurol* 32: 374-80, Jun 75 (Eng)

HYPOTENSION, HEMORRHAGIC

OSMOLAR CONTROL OF THE CIRCULATION IN HEMORRHAGIC HYPOTENSION. AN EXPERIMENTAL STUDY IN THE CAT. Jarhult J *Acta Physiol Scand [Suppl]* 1-84, 1975 (Eng)

HYPOTHALAMIC PITUITARY ADRENOCORTICAL SYSTEM

CLINICAL TESTING OF THE HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL SYSTEM IN STATES OF HYPO- AND HYPERCORTISOLISM. Gwinup G, Johnson B *Metabolism* 24: 777-91, Jun 75 (Eng) [87]

HYPOTHALAMIC STIMULATION

TRANSPORT OF PLASMA FFA IN CATS; EFFECT OF HYPOTHALAMIC STIMULATION. Barkai A, Allweis C *Am J Physiol* 228: 1367-75, May 75 (Eng)

HYPOTHALAMUS

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellnerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

EFFECT OF THYROIDECTOMY ON THE IN VITRO UTILIZATION OF GLUCOSE BY HYPOPHYSIS AND HYPOTHALAMUS IN THE RAT. Castro M, Garcia MD, Herrera E *Steroids Lipids Res* 5: 276-81, 1974 (Eng)

HYPOTHALAMUS, MEDIAN BASAL

[SOME DATA ON THE CHARACTERISTICS OF ANIMALS FOLLOWING CHRONIC ISOLA-

TION OF THE MEDIAN-BASAL HYPOTHALAMUS] Maslova LN *Patol Fiziol Eksp Ter* 43-8, Jan-Feb 74 (Rus)

HYPOTHALAMUS, VENTROMEDIAL

LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WP, Martin GM *Brain Res* 96: 156-60, 10 Oct 75 (Eng)

HYPOTHYROIDISM

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannis E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

IDENTICAL TWIN

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Batchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

IF

SEE INTRINSIC FACTOR

IMMUNE RESPONSE

CELL MEMBRANES AND DISEASE. GENES, VIRUSES, HORMONES AND THE IMMUNE RESPONSE--AN INTRODUCTION. Dmochowski L, Bowen JM *Am J Clin Pathol* 63: 619-28, May 75 (Eng) [32]

IMMUNOCHEMICAL INVESTIGATION

HUMAN PITUITARY GROWTH HORMONE: IMMUNOCHEMICAL INVESTIGATIONS OF BIOLOGICALLY ACTIVE FRAGMENTS. Clarke WC, Hayashida T, Li CH *Arch Biochem Biophys* 164: 571-4, Oct 74 (Eng)

IMMUNOCYTOCHEMISTRY

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

IMMUNOGLOBULIN-G

[IMMUNOGLOBULIN G LEVEL IN THE SERUM OF PATIENTS WITH POLYNEUROPATHIES] Strelau K *Neurol Neurochir Pol* 9: 447-51, Jul-Aug 75 (Pol)

IMMUNOHISTOCHEMICAL LOCALIZATION

LETTER: IMMUNOHISTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN THE RAT PANCREAS. Pelletier G, Leclerc R, Arimura A, Schally AV *J Histochem Cytochem* 23: 699-702, Sep 75 (Eng)

IMMUNOLOGICAL STUDY

STUDIES ON POLYPEPTIDES, VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Heding LG, Larsen UD *Hoppe Seyler's Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

IMPLANTABLE INSULIN DELIVERY PUMP

PROTOTYPE FOR AN IMPLANTABLE INSULIN DELIVERY PUMP. Thomas LJ, Bessman SP *Proc West Pharmacol Soc* 18: 393-8, 1975 (Eng)

Diabetes Literature—Keyword Index

IMPLANTATION BETA CELL

IMPLANTATION BETA CELL

[NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLANTATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)

INDOMETHACIN

INDOMETHACIN AND THE ROLE OF PROSTAGLANDINS IN ADIPOSE TISSUE. Fredholm BB, Hedqvist P *Biochem Pharmacol* 24: 61-6, 1 Jan 75 (Eng)

INFANT

ACUTE RENAL FAILURE: AN IMPORTANT COMPLICATION OF CARDIAC SURGERY IN INFANTS. Chesney RW, Kaplan BS, Freedman RM, Haller JA, Drummond KN *J Pediatr* 87: 381-8, Sep 75 (Eng)

STUDIES IN CALCIUM METABOLISM IN INFANTS WITH INTRAUTERINE GROWTH RETARDATION. Tsang RC, Gigger M, Oh W, Brown DR *J Pediatr* 86: 936-41, Jun 75 (Eng)

[SELECTION OF THE ANALYTICAL METHODS OF BLOOD GLUCOSE IN INFANTS (AUTHORS TRANSL)] Mizuta W, Fukuda K, Kumada I, Fujimoto T *Jpn J Clin Pathol* 22: 778-80, Nov 74 (Jpn)

INFANT, BRITISH

BODY FAT OF BRITISH AND DUTCH INFANTS. Widdowson EM, Dauncey MJ, Gairdner DM, Jonxis JH, Pelikan-Filipkova M *Br Med J* 1: 653-5, 22 Mar 75 (Eng)

INFANT, DUTCH

BODY FAT OF BRITISH AND DUTCH INFANTS. Widdowson EM, Dauncey MJ, Gairdner DM, Jonxis JH, Pelikan-Filipkova M *Br Med J* 1: 653-5, 22 Mar 75 (Eng)

INFECTION

CHRONIC PANCREATITIS IN CHILDHOOD ASSOCIATED WITH MUMPS VIRUS INFECTION. Wood CB, Bradbrook RA, Blumgart LH *Br J Clin Pract* 28: 67-9, Feb 74 (Eng)

INFERTILITY

THE PATHOLOGY OF INFERTILITY. Craig JM *Pathol Annu* 10: 299-328, 1975 (Eng) [172]

INFUSION

THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotzke JP, Steinberg D *S Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)

EFFECTS OF CONTINUOUS INFUSION OF CARDIOTONIC AGENTS ON ARTERIAL CATIONS AND GLUCOSE IN DOGS. Chow SY, Chen SM, Lin IL *Chin J Physiol* 21: 159-72, 31 Dec 73 (Eng)

INHIBIT

THE INABILITY OF THE INHIBITOR OF GLUCOSE UTILIZATION ISOLATED FROM THE SERUM OF URAEMIC SUBJECTS TO INHIBIT LEUCOCYTE MIGRATION. Nilus R, Otto L, Dzurik R *Int Urol Nephrol* 6: 33-4, 1974 (Eng)

INJURY

METABOLIC RESPONSE TO INJURY. Thoren I. *Surg Annu* 7: 53-70, 1975 (Eng) [148]

INSTRUMENT RECALL, FDA

AN FDA CLINICAL INSTRUMENT RECALL. Alpert NL *Clin Chem* 21: 782-5, May 75 (Eng)

INSULIN

INSULIN-SENSITIVE PHOSPHODIESTERASE. ITS LOCALIZATION, HORMONAL STIMULATION, AND OXIDATIVE STABILIZATION. Kono T, Robinson FW, Sarver JA *J Biol Chem* 250: 7826-35, 10 Oct 75 (Eng)

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandson SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

RELATION BETWEEN INSULIN AND GLUCOSE FLUX RATES IN THE DOG. Mitsuhashi O, Schucher R, Kalant N *J Lab Clin Med* 86: 683-9, Oct 75 (Eng)

[STUDIES ON RADIOIMMUNOASSAY OF PEPTIDE HORMONE USING POLYETHYLENEGLYCOL. PART I. INSULIN (AUTHORS TRANSL)] Kihara A, Kikuchi A, Yaegashi T, Oara H *Jpn J Clin Pathol* 23: 449-52, Jun 75 (Jpn)

[HIGHLY PURIFIED INSULINS IN THE MODERN TREATMENT OF DIABETES] Woencckhaus JW *Med Klin* 70: 1401-7, 5 Sep 75 (Ger) [49]

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

MODULATION OF MACROPHAGE FC RECEPTOR EXPRESSION IN VITRO BY INSULIN AND CYCLIC NUCLEOTIDES. Rhodes J *Nature* 257: 597-9, 16 Oct 75 (Eng)

INSULIN AND THE KIDNEY. Rubenstein AH, Mako ME, Horwitz DL *Nephron* 15: 306-26, 1975 (Eng) [147]

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irujo O, Foglia VG *Rev Soc Argent Biol* 48-49: 48-60, Apr 72-Nov 73 (Spa)

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

EFFECTS OF MEDIUM CHAIN TRIGLYCERIDES ON PORTAL AND ARTERIAL LEVELS OF INSULIN, FFA AND GLUCOSE IN PATIENTS WITH PANCREATIC DISEASE. Rojdmarm S *Acta Med Scand* 198: 123-6, Jul-Aug 75 (Eng)

INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Illic V *Biochem J* 150: 145-52, Aug 75 (Eng)

CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN. Topper YJ, Vonderhaar BK, Wilchek M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)

INSULIN ACTION

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissebah AH, Clarke P, Vydellingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissebah AH, Hope-Gill H, Vydellingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

TIME COURSE OF TERMINATION OF THE GLUCOSE TRANSPORT ACTION OF INSULIN IN ADIPOCYTES. Crofford OB *J Biol Chem* 250: 7089-902, 25 Sep 75 (Eng)

INSULIN ANTIBODY

STRUCTURE AND BIOLOGICAL FUNCTIONS OF HUMAN IGD. V. INSULIN ANTIBODIES OF THE IGD CLASS IN SERA FROM SOME DIABETIC PATIENTS. Lertora JJ, Gomez-Perez FJ, Leslie GA *Int Arch Allergy Appl Immunol* 49: 597-606, 1975 (Eng)

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)

INSULIN BINDING

THE SPECIFIC BINDING OF INSULIN TO POLYTHENE AND OTHER MATERIALS. Cecil R, Robinson GB *Biochim Biophys Acta* 404: 164-8, 8 Sep 75 (Eng)

INSULIN BIOSYNTHESIS

THE EFFECTS OF D- AND L-GLYCERALDEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

INSULIN, BOUND

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEP SIN. II. PREPARATION AND PROPERTIES OF CAMEL DES-PENTAPEPTIDE (B26-30)- AND DES-PHEBI-DESPENTAPEPTIDE (B26-30)-INSULIN. Danho WO, Gattner HG, Nissen D, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1405-12, Sep 75 (Eng)

INSULIN, BOVINE

[B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN BY PEP SIN. I. PREPARATION AND PROPERTIES OF BOVINE DES-PENTAPEPTIDE (B26-30) INSULIN (AUTHORS TRANSL)] Gattner HG *Hoppe Seylers Z Physiol Chem* 356: 1397-404, Sep 75 (Ger)

INSULIN, CAMEL

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEP SIN. II. PREPARATION AND PROPERTIES OF CAMEL DES-PENTAPEPTIDE (B26-30)- AND DES-PHEBI-DESPENTAPEPTIDE (B26-30)-INSULIN. Danho

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INSULIN RELEASE

WO, Gattner HG, Nissen D, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1405-12, Sep 75 (Eng)

INSULIN, CARBAMYLATED

CARBON-13 MAGNETIC RESONANCE STUDY OF STRUCTURAL AND DYNAMICAL FEATURES IN CARBAMYLATED INSULINS. Led JJ, Grant DM, Horton WJ, Sundby F, Vihelmsen K *J Am Chem Soc* 97: 5997-6008, 15 Oct 75 (Eng)

INSULIN COMPLEX

STUDIES ON FORMATION OF COMPLEXES OF INSULIN WITH BASIC PEPTIDES ISOLATED FROM THE PLASMA OF UREMIC PATIENTS. Lutz W *Acta Med Pol* 16: 159-70, 1975 (Eng)

INSULIN CONTROL

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS *Eur J Biochem* 56: 375-83, 15 Aug 75 (Eng)

INSULIN DEGRADATION

DEGRADATION OF INSULIN IN SERUM BY INSULIN-SPECIFIC PROTEASE. Starr JJ, Juhn DD, Rubenstein AH *J Lab Clin Med* 86: 631-7, Oct 75 (Eng)

INSULIN EFFECT

[THE MECHANISM OF THE FAVORABLE EFFECT OF INSULIN ON STRIATE MUSCULATURE FOLLOWING REMOVAL OF PLASTER CASTS] Rusev G, Radev S, Nakov D, Dzhirakolova T *Eksp Med Morfol* 11: 96-101, 1972 (Bul)

EFFECT OF INSULIN ON METABOLISM OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE BY PLASMA CELL TUMOR (MPC-11). Naseem SM, Hollander VP *Endocr Res Commun* 2: 251-9, 1975 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissebah AH, Clarke P, Vydelingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

EFFECTS OF GLUCAGON AND INSULIN ON THE PANETH CELLS OF THE MOUSE DUODENUM. Ahonen A, Penttilä A *Experientia* 31: 1074-5, 15 SEP 75 (Eng)

EFFECT OF INSULIN ON THE GLUCOSE UPTAKE OF PROTOZOA. Csaba G, Lantos T *Experientia* 31: 1097-8, 15 SEP 75 (Eng)

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr *Diabetes* 24: 910-4, Oct 75 (Eng)

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

INSULIN, ESTERIFICATION

A CONVENIENT ESTERIFICATION OF INSULIN WITH BORON

TRIFLUORIDE/METHANOL. Gattner HG, Schmitt EW, Naithani VK *Hoppe Seylers Z Physiol Chem* 356: 1465-7, Sep 75 (Eng)

INSULIN, EXOGENOUS

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE IN THERMAL TRAUMA. I. EFFECT OF EXOGENOUS INSULIN. Hessman Y, Thoren L *Acta Chir Scand* 141: 385-92, 1975 (Eng)

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE DURING CONTINUOUS INFUSION OF ADRENALIN. II. EFFECT OF EXOGENOUS INSULIN. Hessman Y *Acta Chir Scand* 141: 393-8, 1975 (Eng)

INSULIN GLUCAGON RATIO

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

INSULIN, HYSTRICOMORPH

THE RELATION OF CONFORMATION AND ASSOCIATION OF INSULIN TO RECEPTOR BINDING; X-RAY AND CIRCULAR-DICHROISM STUDIES ON BOVINE AND HYSTRICOMORPH INSULINS. Wood SP, Blundell TL *Eur J Biochem* 55: 531-42, 15 Jul 75 (Eng)

INSULIN, IMMUNOREACTIVE

[IMMUNOREACTIVE INSULIN IN CHILDREN FOLLOWING ORAL ADMINISTRATION OF CAFFEINE] Walczak M, Michalkiewicz M, Piontek E *Pediatr Pol* 50: 1119-23, Sep 75 (Pol)

INSULIN, INTRACISTERNAL EFFECT

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

INSULIN, MATRIX-BOUND

[B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN BY PEPSIN, I-PREPARATION AND PROPERTIES OF BOVINE DES-PENTAPEPTIDE(B26-30) INSULIN (SUTHORS TRANSL)] Gattner HG *Hoppe Seylers Z Physiol Chem* 356: 1397-404, Sep 75 (Ger)

INSULIN MECHANISM

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Freyre EJ, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION. INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Exp* 138: 321-6, 31 Aug 75 (Spa)

INSULIN METABOLISM

PROCEEDINGS: THE EFFECT OF PORTAL AND SYSTEMIC VENOUS DRAINAGE OF THE PANCREAS ON GLUCOSE AND INSULIN METABOLISM. Collin J, Taylor RM, Johnston ID *Br J Surg* 62: 660, Aug 75 (Eng)

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannēs E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

INSULIN PANCREATIC, DOG

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr *Diabetes* 24: 910-4, Oct 75 (Eng)

INSULIN, PLASMA

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Freyre EJ, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

[SERUM AND PLASMA INSULIN LEVELS IN ZINC-DEFICIENT RATS FOLLOWING GLUCOSE STIMULATION] Roth HP, Kirchgesner M *Int J Vitam Nutr Res* 45: 201-8, 1975 (Ger)

INSULIN, RAT

EFFECTS OF BURN INJURY ON INSULIN SECRETION AND ON SENSITIVITY TO INSULIN IN THE RAT IN VIVO. Frayn KN *Eur J Clin Invest* 5: 331-7, 29 Jul 75 (Eng)

INSULIN RECEPTOR

LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WP, Martin GM *Brain Res* 96: 156-60, 10 Oct 75 (Eng)

INSULIN RECEPTOR BINDING

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

INSULIN RELEASE

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaise-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

GLUCORECEPTORS, INSULIN RELEASE, AND DIABETES. Anonymous *Lancet* 2: 646-7, 4 Oct 75 (Eng)

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

Diabetes Literature—Keyword Index

INSULIN RESISTANCE

INSULIN RESISTANCE

- THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS.** Clarke PV, Kinsebah AH, Hope-Gill H, Vydellingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)
- ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE.** Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

INSULIN SECRETION

- THE EFFECTS OF D- AND L-GLYCERALDEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT.** Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

- EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG.** Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)

- INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS.** H. Grodsky GM, Fanska R, Lundquist I *Endocrinology* 97: 573-80, Sep 75 (Eng)

- EFFECTS OF BURN INJURY ON INSULIN SECRETION AND ON SENSITIVITY TO INSULIN IN THE RAT IN VIVO.** Frayn KN *Eur J Clin Invest* 5: 331-7, 29 Jul 75 (Eng)

- ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS.** Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

- DAILY VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)** Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

- INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL.)** Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

- [GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION, MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS (AUTHORS TRANSL.)** Bittner R, Beger HG, Kraas E, Roscher R *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)

- [INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA]** Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sanmartin P, Acosta M, Cerdan Vallejo A *Rev Clin Exp* 138: 425-32, 15 Sep 75 (Spa)

INSULIN, SERUM IMMUNOREACTIVE

- SERUM GROWTH HORMONE, SERUM IMMUNOREACTIVE INSULIN AND BLOOD GLUCOSE RESPONSE TO ORAL AND INTRAVENOUS DIAZEPAM IN MAN.** Sivalahti EK, Kanto JH *Int J Clin Pharmacol Biopharm* 12: 74-82, Jul 75 (Eng)

INSULIN, SHEEP

- [SEMISYNTHETIC SHEEP DES-AL-GLYCINE INSULIN (AUTHORS TRANSL.)]** Berndt H, Gattner HG, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1469-72, Sep 75 (Ger)

INSULIN SHOCK

- PROCEEDINGS: CUTANEOUS MICROCIRCULATION AND INSULIN SHOCK.** Asano M, Okubo C, Ogawa S, Miwa R *J Physiol Soc Jpn* 36: 382, 1 Sep 74 (Eng)

INSULIN STRESS

- PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM.** Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

INSULIN TEST

- THE INSULIN TEST: NEGATIVE AND POSITIVE TESTS VERSUS NUMERICAL VALUES.** Emas S, Borg I *Scand J Gastroenterol* 10: 609-16, 1975 (Eng)

INSULIN THERAPY

- [ADVANCES IN INSULIN THERAPY OF DIABETES MELLITUS]** Aarseth S *Tidsskr Nor Lægeforen* 95: 1540-4, 30 Sep 75 (Nor)

- SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN.** Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

- [INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS]** Certhoux J, Grandjean C, Colombo J, Le Devchat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)

INSULINOMA

- DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA.** Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

INSULINOMA, METASTATIC

- MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN.** Gefel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

INSULINOMA, TOADFISH

- TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOADFISH, RAT, AND HUMAN WITH INSULINOMAS.** Balachandran S, Beierwaltes WH, Lee RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

INTENSIVE CARE UNIT

- OUTBREAKS OF SERRATIA MARCESCENS INFECTIONS IN A CARDIOTHORACIC SURGICAL INTENSIVE CARE UNIT.** Richards NM, Levitsky S *Ann Thorac Surg* 19: 503-13, May 75 (Eng)

INTERMEDIARY METABOLISM

- EFFECTS OF L-THYROXINE ON THE INTERMEDIARY METABOLISM OF THE SPOTTED MUNIA, LONCHURA PUNCTULATA.** Thapliyal JP, Garg RK, Murty GS, Gupta SC *Gen Comp Endocrinol* 25: 31-5, Jan 75 (Eng)

INTERMEDIATE, METABOLIC

- ENDOPLASMIC MEMBRANE AS A SOURCE AND A TARGET FOR CHEMICALLY REAC-**

- TIVE METABOLIC INTERMEDIATES.** Williams DJ, Parry G *Biochem Soc Trans* 3: 69-70, 1975 (Eng)

INTESTINE, SMALL

- CARBOHYDRATE DIGESTION AND ABSORPTION. ROLE OF THE SMALL INTESTINE.** Gray GM *N Engl J Med* 292: 1225-30, 5 Jun 75 (Eng) [17]

INTESTINE SMALL, EQUINE

- CARBOHYDRATE DIGESTION AND ABSORPTION IN THE EQUINE SMALL INTESTINE.** Roberts MC *J S Afr Vet Assoc* 46: 19-27, Mar 75 (Eng) [25]

INTESTINE SMALL, RAT

- REGIONAL VARIATION IN GLYCOLYTIC ENZYME ADAPTATION TO DIETARY SUGARS IN RAT SMALL INTESTINE.** Espinoza J, Hritz A, Kaplan R, Clark SB, Rosensweig NS *Am J Clin Nutr* 28: 453-8, May 75 (Eng)

- UPTAKE AND COMPARTMENTAL DISTRIBUTION OF FATTY ACID BY RAT SMALL INTESTINE IN VIVO.** Mishkin S, Yalovsky M, Kessler JJ *Am J Physiol* 228: 1409-14, May 75 (Eng)

INTRAUTERINE DEATH, FETAL

- [COMA DIABETICUM AND INTRAUTERINE FETAL DEATH. THERAPEUTIC CONSIDERATIONS ON HAND OF A CLINICAL CASE (AUTHORS TRANSL.)]** Muck BR *Geburtshilfe Frauenheilkd* 35: 717-20, Sep 75 (Ger)

INTRAVENOUS ADMINISTRATION

- THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS.** Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

INTRINSIC FACTOR

- THE EFFECT OF ATROPINE AND VAGOTOMY ON THE SECRETION OF GASTRIC INTRINSIC FACTOR (IF) IN MAN.** Vatn MH, Semb LS, Schrupp E *Scand J Gastroenterol* 10: 59-64, 1975 (Eng)

IODOACETAMIDE ALTERATION

- IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES.** Pagliari AS, Hover BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)

IODOACETATE ALTERATION

- IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES.** Pagliari AS, Hover BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)

IRON, SERUM

- EFFECT OF RIBOFLAVIN ON PLASMA GROWTH HORMONE AND SERUM IRON IN MAN.** Schendel H, Gordon A *Am J Clin Nutr* 28: 569-70, Jun 75 (Eng)

ISLAND ORGAN

[EXTRINSULAR COMPONENTS OF THE ISLAND ORGAN] Ehrenbrand F *Verh Anat Ges* 68: 617-20, 1974 (Ger)

ISLET, AMPHIBIAN

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

ISLET CELL

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynger H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

ISLET OF LANGERHANS

THE EFFECTS OF D- AND L-GLYCERALDEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

SPECIFIC UPTAKE OF LABELLED N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS OF CHINESE HAMSTERS. Tjalve H, Wilander E *Experientia* 31: 1061-2, 15 SEP 75 (Eng)

ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS. Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

[NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLANTATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)

POST-MORTEM HISTOLOGY OF THE ISLETS OF LANGERHANS IN JUVENILE DIABETES MELLITUS. Doniach I *Postgrad Med J* 50 SUPPL 3: 544-5, Aug 74 (Eng)

[ULTRASTRUCTURE OF THE SECRETORY CELLS OF THE PANCREATIC ISLETS IN HUMAN FETUSES] Puzyrev AA *Tsitologia* 17: 1027-31, Sep 75 (Rus)

UPTAKE OF LABELLED-N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS. Wilander E, Tjalve H *Virchows Arch [Pathol Anat]* 367: 27-33, 23 Jun 75 (Eng)

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellnerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Scino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

[STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL)] Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)

ISLET, REPTILE

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

ISLET, TELEOST

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

ISOENZYME

ALKALINE PHOSPHATASE ISOENZYMES. TECHNICAL AND CLINICAL ASPECTS. Moss DW *Enzyme* 20: 20-34, 1975 (Eng)

ISOPROTERENOL

STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID. Marshall NJ, von Borcke S, Malan PG *Endocrinology* 96: 1520-4, Jun 75 (Eng)

JEJUNAL MUCOSAL ATROPHY

FAILURE OF LABORATORY AND RADIOLOGICAL STUDIES TO PREDICT JEJUNAL MUCOSAL ATROPHY. Sanderson MC, Davis LR, Mowat AP *Arch Dis Child* 50: 526-31, Jul 75 (Eng)

JEJUNUM, HAMSTER

AN ANALYSIS OF THE D-GLUCOSE INFLUX KINETICS OF IN VITRO HAMSTER JEJUNUM, BASED ON CONSIDERATIONS OF THE MASS-TRANSFER COEFFICIENT. Dugas MC, Ramaswamy K, Crane RK *Biochim Biophys Acta* 382: 576-89, 8 Apr 75 (Eng)

JUVENILE

[JUVENILE MYOCARDIAL INFARCT AND ITS RISK FACTORS. RESULTS FROM 172 CASES] Fiegel G *Z Allgemeinmed* 51: 939-41, 31 Jul 75 (Ger)

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, *ONCORHYNCHUS NEKKA*. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol [A]* 47: 821-8, 1 Mar 74 (Eng)

JUVENILE DIABETES

[JUVENILE DIABETES MELLITUS—THEORIES ON ITS PATHOGENESIS] Wilander E *Lakar-tidningen* 72: 3208-10, 27 Aug 75 (Swe)

LETTER: AETIOLOGY OF JUVENILE DIABETES. Rolles CJ, Rayner PH, Mackintosh P *Lancet* 2: 230, 2 Aug 75 (Eng)

EPIDEMIOLOGICAL AND VIROLOGICAL OBSERVATIONS ON JUVENILE DIABETES. Gambie DR *Postgrad Med J* 50 SUPPL 3: 538-43, Aug 74 (Eng)

POST-MORTEM HISTOLOGY OF THE ISLETS OF LANGERHANS IN JUVENILE DIABETES MELLITUS. Doniach I *Postgrad Med J* 50 SUPPL 3: 544-5, Aug 74 (Eng)

EMOTIONAL FACTORS IN JUVENILE DIABETES MELLITUS: A STUDY OF THE EARLY LIFE EXPERIENCES OF EIGHT DIABETIC CHILDREN. Stein SP, Charles ES *Psychosom Med* 37: 237-44, May-Jun 75 (Eng)

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

JUVENILE SPONGY DYSTROPHY

[JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL)] Azubuike JC, Gullotta F, Kallfelz HC, Gellissen K, Mende S, Exss R *Neuropadiatrie* 6: 292-306, Aug 75 (Ger)

KALLMANS SYNDROME

[KALLMANS SYNDROME—HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodecim* 91: 649-56, 1975 (Fin)

KETOACIDOSIS, DIABETIC

LETTER: CEREBRAL OEDEMA IN DIABETIC KETOACIDOSIS. Moore J *Br Med J* 3: 540, 30 Aug 75 (Eng)

LETTER: CEREBRAL OEDEMA IN DIABETIC KETOACIDOSIS. Frier BM *Br Med J* 3: 704, 20 Sep 75 (Eng)

KETONE BODY

THE INFLUENCE OF DIABETIC REGULATION ON THE DIURNAL VARIATION IN BLOOD AND THE URINARY EXCRETION OF KETONE BODIES. STUDIES IN NEWLY DIAGNOSED DIABETICS. Wildenhoff KE *Acta Med Scand* 198: 127-33, Jul-Aug 75 (Eng)

[SERUM LIPOPROTEIDS AND KETONE BODIES AFTER CONSTANT INFUSION OF SORBITOL I.V. (AUTHORS TRANSL)] Berg G, Matkies F *Klin Wochenschr* 53: 187-8, 15 Feb 75 (Ger)

KETOSIS

[CONGENITAL HYPERGLYCEMIA WITHOUT KETOSIS] Piussan C, Saudubray JM, Audchert M, Van Poperinghe M, Rishbourg B *Pediatric* 30: 429-31, Jun 75 (Fre)

KIDNEY

INSULIN AND THE KIDNEY. Rubenstein AH, Mako ME, Horwitz DL *Nephron* 15: 306-26, 1975 (Eng) [47]

BIOCHEMICAL STUDIES OF THE GLOMERULAR BASEMENT MEMBRANE IN THE DIS-

Diabetes Literature—Keyword Index

KIDNEY, DOG

EASED KIDNEY. Mahieu P, Winand RJ, Nussgens B *Adv Nephrol* 2: 25-34, 1972 (Eng) [29]

MASSIVE OBESITY AND THE KIDNEY. A MORPHOLOGIC AND STATISTICAL STUDY. Cohen AH *Am J Pathol* 81: 117-30, Oct 75 (Eng)

KIDNEY, DOG

EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)

METABOLISM OF BLOOD GLUCOSE BY THE INTACT FUNCTIONING KIDNEY OF THE DOG. Pitts RF, MacLeod MB *Kidney Int* 7: 130-6, Mar 75 (Eng)

KIDNEY INSUFFICIENCY

IPHENFORMIN, KIDNEY INSUFFICIENCY AND LACTIC ACIDOSIS. Marowski B *Ther Ggw* 113: 1706-26, Oct 74 (Ger)

KINASE, PROTEIN

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. II. TWO SOLUBLE KINASE ACTIVITIES AND THEIR AFFINITIES FOR NUCLEOTIDE AND PROTEIN SUBSTRATES. Knight BL, Skala JP *Biochim Biophys Acta* 385: 124-32, 14 Mar 75 (Eng)

KINASE, PYRUVATE

SUBUNIT STRUCTURE AND SOME PROPERTIES OF PYRUVATE KINASE OF NEUROSPORA. Kapoor M *Can J Biochem* 53: 109-19, Feb 75 (Eng)

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLI. II. EFFECTORS AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY RIBOSE 5-PHOSPHATE. Waygood EB, Rayman MK, Sanwal BD *Can J Biochem* 53: 444-54, Apr 75 (Eng)

KININ

FORMATION AND FUNCTION OF KININS. Eisen V *Rheumatology* 3: 103-68, 1970 (Eng) [424]

KREBS CYCLE

GAS CHROMATOGRAPHY OF KREBS CYCLE AND RELATED ACIDS ON SILAR 10C. Bide RW *Clin Biochem* 8: 148-50, Apr 75 (Eng)

KWASHIORKOR

CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Habte D, Persson B, Sterky G *Acta Paediatr Scand* 64: 267-72, Mar 75 (Eng)

LABELED

STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilks SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

PREPARATION OF PHOSPHOENOLPYRUVATE AND PYRUVATE SPECIFICALLY LABELED WITH DEUTERIUM AND TRITIUM. Rose IA *Methods Enzymol* 41: 110-5, 1975 (Eng)

A STUDY OF THE MECHANISM OF ACTION OF PHOSPHORYLASE B USING ISOTOPE-

LABELLED SUBSTRATES. Firsov LM, Bogacheva TI, Bresler SE *Mol Biol* 8: 454-60, Jan 75 (Eng)

LABELING

AN EVALUATION OF TECHNIQUES FOR LABELLING THE SURFACE PROTEINS OF CULTURED MAMMALIAN CELLS. Juliano RL, Behar-Bannelier M *Biochim Biophys Acta* 375: 249-67, 28 Jan 75 (Eng)

HUMAN PLASMA TRIGLYCERIDE LABELING AFTER HIGH SUCROSE FEEDING. II. STUDY ON TRIGLYCERIDE KINETICS AND POSTHEPARIN LIPOLYTIC ACTIVITY. Wu CH, Shreeve WW *Metabolism* 24: 755-66, Jun 75 (Eng)

TRITIUM LABELING OF AMINO ACIDS IN POLYPEPTIDE HORMONES. Hembree WC, Wolf AP, Ehrenkauf RE, Lieberman S *Methods Enzymol* 37 pt b: 313-21, 1975 (Eng)

LABORATORY DATA

INTERPRETING LABORATORY DATA. MONITORING THE GERIATRIC PATIENT. Bender KJ, Grams RR *J Am Pharm Assoc* 15: 21-3, Jan 75 (Eng)

LABORATORY DIAGNOSIS

[LABORATORY DIAGNOSIS OF LIVER DISEASES IN THE HORSE. 2] Sova ZD *Tieruerzt Prax* 1: 311-20, 1973 (Ger)

LACTASE ACTIVITY

CORRELATION OF LACTASE ACTIVITY, LACTOSE TOLERANCE AND MILK CONSUMPTION IN DIFFERENT AGE GROUPS. Lebenthal E, Antonowicz I, Shwachman H *Am J Clin Nutr* 28: 595-600, Jun 75 (Eng)

LACTASE DEFICIENCY

[LACTASE DEFICIENCY] Bosseckert H Z *Gesamte Inn Med* 29: 601-5, 1 Aug 74 (Ger) [23]

LACTATE

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

CHANGES IN PLASMA GLUCOSE AND LACTATE CONCENTRATIONS AND ENZYME ACTIVITIES IN THE NEONATAL CALF WITH DIARRHEA. Lewis LD, Phillips RW, Elliott CD *Am J Vet Res* 36: 413-6, Apr 75 (Eng)

LACTATING COW

INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paeppe M, Marcus S, Peeters G *J Endocrinol* 66: 213-24, Aug 75 (Eng)

LACTATING RAT

INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Illic V *Biochem J* 150: 145-52, Aug 75 (Eng)

LACTOGEN, PLACENTA

CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN. Topper YJ, Vonderhaar BK, Wilchek

M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)

LACTOGENIC HORMONE

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Eng)

LACTOSE TOLERANCE

CORRELATION OF LACTASE ACTIVITY, LACTOSE TOLERANCE AND MILK CONSUMPTION IN DIFFERENT AGE GROUPS. Lebenthal E, Antonowicz I, Shwachman H *Am J Clin Nutr* 28: 595-600, Jun 75 (Eng)

LATENT DISEASE

[PREGNANCY AS A TRIGGER IN LATENT DISEASE] Tervila L *Duodecim* 91: 640-2, 1975 (Fin)

LENS

PHYSIOLOGIC OPTIC APPROACH OF LENS AND CATARACT. Planten JT *Ophthalmologica* 171: 249-53, 1975 (Eng)

LENS, RABBIT

GLYCOSAMINOGLYCANS AND HYDROXYPROLINE OF RABBIT LENS IN THE COURSE OF ARTIFICIAL ATHEROSCLEROSIS AND ALLOXAN DIABETES. Hanzlik J, Tomaszewski J *Folia Biol (Krakow)* 23: 293-8, 1975 (Eng)

LEUKOCYTE

[GLYCOGEN CONTENT OF THE LEUKOCYTES IN PATIENTS WITH DIABETES MELITUS] Pavlov BA, Sokolova II *Klin Med (Mosk)* 52: 88-93, Mar 74 (Rus)

LIGAND, LABELED

ESTIMATION OF HORMONE RECEPTOR AFFINITY BY COMPETITIVE DISPLACEMENT OF LABELED LIGAND: EFFECT OF CONCENTRATION OF RECEPTOR AND OF LABELED LIGAND. Jacobs S, Chang K-J, Cuatrecasas P *Biochem Biophys Res Commun* 66: 687-92, 16 Sep 75 (Eng)

LIGHT MICROSCOPE

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

LIGHT MICROSCOPY

[LIGHT- AND ELECTRON MICROSCOPY STUDIES OF STRUCTURAL CHANGES WITHIN THE EXO- AND ENDOCRINE PANCREAS OF THE ALBINO RAT IN 2-, 3-, 4-, AND 6-WEEK-LONG B1-AVITAMINOSIS] Fallar A *Verh Anat Ges* 68: 621-39, 1974 (Ger)

LIPASE ACTIVITY

EFFECT OF ORAL ANTIDIABETIC DRUGS ON LIPASE ACTIVITY IN VITRO. Holmes JH, Sapeika N, Zwarenstein H *Res Commun Chem Pathol Pharmacol* 11: 667-70, Aug 75 (Eng)

LIPASE, LIPOPROTEIN

HUMAN ADIPOSE TISSUE LIPOPROTEIN LIPASE: COMPARISON OF ASSAY METHODS AND EXPRESSIONS OF ACTIVITY. Pukalisto OJ, Smith PH, Brunzell JD *Proc Soc Exp Biol Med* 148: 297-300, Jan 75 (Eng)

EFFECT OF PROLACTIN ON LIPOPROTEIN LIPASE IN CROP SAC AND ADIPOSE TISSUE OF PIGEONS. Garrison MM, Scow RO *Am J Physiol* 228: 1542-4, May 75 (Eng)

LIPATROPHIC DIABETES

LIPODYSTROPHY OF THE EXTREMITIES. A DOMINANTLY INHERITED SYNDROME ASSOCIATED WITH LIPATROPHIC DIABETES. Kobberling J, Willems B, Kattermann R, Creutzfeldt W *Humangenetik* 29: 111-20, 10 Sep 75 (Eng)

LIPID

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)

[TURNOVER OF NEUTRAL LIPIDS AND PHOSPHOLIPIDS IN RAT LIVER MITOCHONDRIA] Meddi FM, Landriscina C, Quagliariello E *Boll Soc Ital Biol Sper* 50: 1324-8, 15 Sep 74 (Ita)

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDATION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS] Kozlov IuP, Glushchenko NN, Obraztsov VV, Orlov SN, Kagan VE *Biofizika* 18: 1031-6, Nov-Dec 73 (Rus)

MECHANISMS OF LIPID LOSS FROM THE SMALL INTESTINAL MUCOSA. Waldram R *Gut* 16: 118-124, Feb 75 (Eng)

LIPID, BLOOD

LETTER: BRAN AND BLOOD-LIPIDS. Cleave TL *Lancet* 1: 857, 12 Apr 75 (Eng)

[DIURNAL FLUCTUATIONS OF BLOOD LIPIDS AND SUGAR LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH ISCHEMIC HEART DISEASES] Krivoruchenko IV, Ianushkene TS *Kardiologia* 15: 78-84, Feb 75 (Rus)

LIPID DISTRIBUTION

NMR STUDIES ON PHOSPHOLIPID BILAYERS. SOME FACTORS AFFECTING LIPID DISTRIBUTION. Berden JA, Barker RW, Radda GK *Biochim Biophys Acta* 375: 186-208, 28 Jan 75 (Eng)

LIPID LOWERING

LIPID-LOWERING DRUGS. Anonymous *Med Lett Drugs Ther* 17: 49-50, 6 Jun 75 (Eng)

LIPID METABOLISM

ALTERATIONS OF LIPID METABOLISM BY CONTRACEPTIVE STEROIDS. Beck P *J Steroid Biochem* 6: 957-9, Jun 75 (Eng)

[THE EFFECT OF BIGUANIDE PREPARATIONS ON LIPID METABOLISM] Pavlov K *Vutr Boles* 13: 115-8, 1974 (Bul)

ACUTE AND CHRONIC EFFECTS OF ETHANOL ON INTESTINAL LIPID METABOLISM. Baraona E, Pirola RC, Lieber CS *Biochim Biophys Acta* 388: 19-28, 18 Apr 75 (Eng)

[MAGNESIUM DEFICIENCY IN THE RAT AND VARIATION OF SEVERAL PARAMETERS IN RELATION TO LIPID METABOLISM] Rays-

siguier Y, Larvor P, Durlach J C *R Soc Biol (Paris)* 168: 736-8, 1974 (Fre)

EFFECTS OF POLYUNSATURATED FATS ON LIPID METABOLISM IN PATIENTS WITH HYPERTRIGLYCERIDEMIA. Grundy SM *J Clin Invest* 55: 269-82, Feb 75 (Eng)

DRUGS AND LIPID METABOLISM. Truswell AS *Proc Nutr Soc* 33: 215-24, Dec 74 (Eng)

[INVOLVEMENT OF THE LUNG IN LIPID METABOLISM] Gonzalez Santos P, De La Higuera Rojas J *Rev Clin Exp* 136: 291-6, 28 Feb 75 (Spa)

CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)

LIPID, PLASMA

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

[CHANGES IN PLASMA LIPIDS IN DIABETES MELLITUS] Avogaro P, Capri C, Cazzolato G, Pais M *Minerva Med* 66: 3388-96, 3 Oct 75 (Ita)

LIPID, SERUM

A COMPARISON OF FASTING SERUM LIPID CONCENTRATIONS AND LIPOPROTEIN PATTERNS IN PATIENTS WITH STENOSING AND DILATING FORMS OF PERIPHERAL ARTERIAL DISEASE. Greenhalgh RM, Taylor GW, Kaye J *J Cardiovasc Surg (Torino)* 16: 150-1, Mar-Apr 75 (Eng)

[THE ACTION OF THE ANTIHYPERTENSIVE AGENT BENDIGON ON SERUM LIPIDS (AUTHORS TRANSL.)] Studlar M *Med Klin* 70: 102-5, 17 Jan 75 (Ger)

[SERUM LIPIDS: III. METHODS OF DEMONSTRATION] Simon KH *Med Monatsschr* 29: 88-9, Feb 75 (Ger)

LIPOATROPHY

LIPOATROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYSTROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

LIPODYSTROPHY

LIPODYSTROPHY OF THE EXTREMITIES. A DOMINANTLY INHERITED SYNDROME ASSOCIATED WITH LIPATROPHIC DIABETES. Kobberling J, Willems B, Kattermann R, Creutzfeldt W *Humangenetik* 29: 111-20, 10 Sep 75 (Eng)

LIPODYSTROPHY, CONGENITAL GENERALIZED

LIPOATROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYSTROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

LIPOGENESIS

LIPOGENESIS IN RABBIT ISOLATED FAT-CELLS. Saggerson ED *Biochem J* 142: 477-82, Sep 74 (Eng)

LIPOLYSIS

LIPOLYSIS AND CYCLIC-3, 5-AMP CONTENT IN RAT ADIPOSE TISSUE AT DIFFERENT AGE. Macho L, Kolena J *Endocrinol Exp (Bratisl)* 9: 93-9, Jun 75 (Eng)

THE ABSENCE OF STIMULATION OF LIPOLYSIS BY PAPAVERINE, A STRONG INHIBITOR OF PHOSPHODIESTERASE. Hynie S, Wenke M *Eur J Pharmacol* 30: 230-7, Feb 75 (Eng)

SITE OF FREE-FATTY-ACID INHIBITION OF LIPOLYSIS BY HUMAN ADIPOCYTES. Burns TW, Langley PE, Robison GA *Metabolism* 24: 265-76, Mar 75 (Eng)

LIPOLYTIC ACTIVITY, POSTHEPARIN

REVERSIBLE ABNORMALITIES IN POSTHEPARIN LIPOLYTIC ACTIVITY DURING THE LATE PHASE OF RELEASE IN DIABETES MELLITUS (POSTHEPARIN LIPOLYTIC ACTIVITY IN DIABETES). Brunzell JD, Porte D Jr, Bierman EL *Metabolism* 24: 1123-37, Oct 75 (Eng)

HUMAN PLASMA TRIGLYCERIDE LABELING AFTER HIGH SUCROSE FEEDING. II. STUDY ON TRIGLYCERIDE KINETICS AND POSTHEPARIN LIPOLYTIC ACTIVITY. Wu CH, Shreeve WW *Metabolism* 24: 755-66, Jun 75 (Eng)

LIPOLYTIC EFFECT

IN VITRO LIPOLYTIC EFFECT OF BOVINE PITUITARY DIABETOGENIC PROTEIN. Tutwiler GF *Biochim Biophys Acta* 404: 18-29, 8 Sep 75 (Eng)

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED RATS. Kuroshima A, Doi K, Kurahashi M, Ono T *Jpn J Physiol* 25: 275-85, 1975 (Eng)

LIPOPROTEID, SERUM

[SERUM LIPOPROTEIDS AND KETONE BODIES AFTER CONSTANT INFUSION OF SORBITOL I.V. (AUTHORS TRANSL.)] Berg G, Matzki F *Klin Wochenschr* 53: 187-8, 15 Feb 75 (Ger)

LIPOPROTEIN

STUDIES IN ASYMPTOMATIC PRIMARY HYPERLIPIDAEMIA. IV. ECG AT REST AND DURING EXERCISE AND ITS RELATION TO VARIOUS LIPOPROTEIN CLASSES. Olsson AG, Ekelund LG, Carlson LA *Acta Med Scand* 198: 55-73, Jul-Aug 75 (Eng)

METABOLISM OF LIPOPROTEINS IN NONHUMAN PRIMATES. STUDIES ON THE ORIGIN OF LOW DENSITY LIPOPROTEIN APOPROTEIN IN THE PLASMA OF THE SQUIRREL MONKEY. Illingworth DR *Biochim Biophys Acta* 388: 38-51, 18 Apr 75 (Eng)

LIPOPROTEIN-ACID MUCOPOLYSACCHARIDE COMPLEXES OF HUMAN ATHEROSCLEROTIC LESIONS. Srinivasan SR, Radhakrishnamurthy B, Pargana PS, Berenson GS, Dolan P *Biochim Biophys Acta* 388: 58-70, 18 Apr 75 (Eng)

[PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS] Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)

Diabetes Literature—Keyword Index

LIPOPROTEIN, HUMAN PLASMA

LIPOPROTEIN, HUMAN PLASMA

EFFECTS OF DIET AND TYPE IIA HYPERLIPOPROTEINEMIA UPON STRUCTURE OF TRIACYLGLYCEROLS AND PHOSPHATIDYL CHOLINES FROM HUMAN PLASMA LIPOPROTEINS. Gordon DT, Pitas RE, Jensen RG *Lipids* 10: 270-83, May 75 (Eng)

LIPOPROTEIN, LOW DENSITY

METABOLISM OF LIPOPROTEINS IN NONHUMAN PRIMATES. STUDIES ON THE ORIGIN OF LOW DENSITY LIPOPROTEIN APOPROTEIN IN THE PLASMA OF THE SQUIRREL MONKEY. Illingworth DR *Biochim Biophys Acta* 388: 38-51, 18 Apr 75 (Eng)

LIPOPROTEIN PATTERN

A COMPARISON OF FASTING SERUM LIPID CONCENTRATIONS AND LIPOPROTEIN PATTERNS IN PATIENTS WITH STENOSING AND DILATING FORMS OF PERIPHERAL ARTERIAL DISEASE. Greenhalgh RM, Taylor GW, Kaye J *J Cardiovasc Surg (Torino)* 16: 150-1, Mar-Apr 75 (Eng)

LIPOSOME

USE OF PHOSPHOLIPID EXCHANGE PROTEIN TO MEASURE INSIDE-OUTSIDE TRANSPORT IN PHOSPHATIDYLCHOLINE LIPOSOMES. Johnson LW, Hughes ME, Zilver-smith DB *Biochim Biophys Acta* 375: 176-85, 28 Jan 75 (Eng)

THE EFFECT OF PRESSURE AND THE VOLUME OF ACTIVATION ON THE MONOVALENT CATION AND GLUCOSE PERMEABILITIES OF LIPOSOMES OF VARYING COMPOSITION. Johnson SM, Miller KW *Biochim Biophys Acta* 375: 286-91, 28 Jan 75 (Eng)

LIVER

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DISPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

GLYCOGEN SYNTHESIS IN THE PERFUSED LIVER OF STREPTOZOTOCIN-DIABETIC RATS. Whitton PD, Hems DA *Biochem J* 150: 153-65, Aug 75 (Eng)

CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrnc JJ, White RJ *Comp Biochem Physiol [A]* 50: 709-15, 1 Apr 75 (Eng)

THE ABSORPTION OF GLUCOSE FROM THE GUT AND THE AMOUNT REMOVED BY THE LIVER IN YOUNG PIGS. Anderson DM, Northrop AJ *Proc Nutr Soc* 33: 91a, Dec 74 (Eng)

CONCENTRATIONS IN VIRTO OF VARIOUS ENZYMES IN LIVER HOMOGENATES DURING THE FIRST FEW DAYS OF A PERIOD OF STARVATION. den Otter W *Periodontol Un* 63: 611-24, ar 754 (Eng)

LIVER CELL, ISOLATED RAT

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-COA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroeff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

LIVER DISEASE

[CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Rus) [112]

LIVER DISEASE, HORSE

[LABORATORY DIAGNOSIS OF LIVER DISEASES IN THE HORSE. 2] Sova ZD *Tieraerztl Prax* 1: 311-20, 1973 (Ger)

LIVER, FETAL RAT

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)

LIVER, PERFUSED RAT

METABOLIC RESPONSES OF PERFUSED RAT LIVERS TO ALPHA- AND BETA-ADRENERGIC AGONISTS, GLUCAGON AND CYCLIC AMP. Jakob A, Diem S *Biochim Biophys Acta* 404: 57-66, 8 Sep 75 (Eng)

LIVER, RAT

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Ui M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS *Eur J Biochem* 56: 375-83, 15 Aug 75 (Eng)

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE IN THERMAL TRAUMA. I. EFFECT OF EXOGENOUS INSULIN. Hessman Y, Thoren L *Acta Chir Scand* 141: 385-92, 1975 (Eng)

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE DURING CONTINUOUS INFUSION OF ADRENALIN. II. EFFECT OF EXOGENOUS INSULIN. Hessman Y *Acta Chir Scand* 141: 393-8, 1975 (Eng)

LIZARD (UROMASTIX HARDWICKII)

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSOPANCREATECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangneker PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

LOWER EXTREMITY

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT: VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES; H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF

ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Esp* 138: 445-52, 15 Sep 75 (Spa)

COMPARISON OF LONG-TERM RESULTS OF 364 FEMOROPOPITEAL OR FEMOROTIBIAL BYPASSES FOR REVASCULARIZATION OF SEVERELY ISCHEMIC LOWER EXTREMITIES. Reichle FA, Tyson RR *Ann Surg* 182: 449-55, Oct 75 (Eng)

LOWER LIMB

AMPUTATIONS IN THE LOWER LIMB. Warren R *Surg Annu* 7: 331-46, 1975 (Eng) [8]

LUMBAR SYMPHECTOMY

LUMBAR SYMPHECTOMY IN THE TREATMENT OF PERIPHERAL VASCULAR OCCLUSIVE DISEASE. TEN YEAR STUDY. Bernardi RS, Siroospour D *Am J Surg* 130: 309-14, Sep 75 (Eng)

LUNG CANCER

METABOLIC STUDIES FOLLOWING THORACOTOMY FOR LUNG CANCER WITH PARTICULAR REFERENCE TO POSTOPERATIVE ATRIAL FIBRILLATION. Alstrup P, Sorensen HR *Scand J Thorac Cardiovasc Surg* 9: 149-53, 1975 (Eng)

LUNG INVOLVEMENT

[INVOLVEMENT OF THE LUNG IN LIPID METABOLISM] Gonzalez Santos P, De La Higuera Rojas J *Rev Clin Esp* 136: 291-6, 28 Feb 75 (Spa) [34]

LYASE, CITRATE

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

LYMPHOID ORGAN

[IMMUNOMORPHOLOGICAL AND HISTOCHEMICAL CHANGES IN THE LYMPHOID ORGANS IN EXPERIMENTAL OPISTHOCHIASIS. COMMUNICATION II. SUPERINVASION] Klebanovskaia IA *Med Parazitol (Mosk)* 44: 460-4, Jul-Aug 75 (Rus)

LYOPHILIZED PANCREATIC EXTRACT

[LETTER: LYOPHILIZED PANCREATIC EXTRACT, A THERAPEUTIC ADJUVANT OF LIGHT DIABETES] Klotz HP *Nouv Presse Med* 4: 2333, 4 Oct 75 (Fre)

MACROMOLECULE

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-CONTAINING MACROMOLECULES. Springer GF, Mittal KK, Terasaki PI, Desai PR, McIntire FC, Hirata AA *Z Immunitaetsforsch* 145: 166-75, May 75 (Eng)

[IN VITRO BIOSYNTHESIS OF THE MACROMOLECULES OF GASTRIC MUCOSA] Waldron-Edward D, Decaens C, Bader JP, Robert L *C R Acad Sci [D] (Paris)* 279: 1397-9, 14 Oct 74 (Fre)

A STUDY OF CONNECTIVE TISSUE MACROMOLECULES IN SKIN OF MICE WITH GOLDTHIOGLUCOSE-INDUCED OBESITY. Dalfieres ER Jr, Radhakrishnamurthy

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MEMBRANE, CELLOPHANE

MEMBRANE, BASEMENT

BIOCHEMICAL STUDIES OF THE GLOMERULAR BASEMENT MEMBRANE IN THE DISEASED KIDNEY. Mahieu P, Winand RJ, Nussens B *Adv Nephrol* 2: 25-34, 1972 (Eng) [29]

MEMBRANE, BILAYER

CHLORIDE FLUX IN BILAYER MEMBRANES: THE ELECTRICALLY SILENT CHLORIDE FLUX IN SEMISPHERICAL BILAYERS. Toyoshima Y, Thompson TE *Biochemistry* 14: 1518-24, 8 Apr 75 (Eng)

CHLORIDE FLUX IN BILAYER MEMBRANES: CHLORIDE PERMEABILITY IN AQUEOUS DISPERSIONS OF SINGLE-WALLED, BILAYER VESICLES. Toyoshima Y, Thompson TE *Biochemistry* 14: 1525-31, 8 Apr 75 (Eng)

MEMBRANE, BIOLOGICAL

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDATION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS] Kozlov IuP, Glushchenko NN, Obratsov VV, Orlov SN, Kagan VE *Biophysika* 18: 1031-6, Nov-Dec 73 (Rus)

[THE TRANSPORT OF THREE FLAVONOID THROUGH ARTIFICIAL AND BIOLOGICAL MEMBRANES. THE TRANSPORT IN VITRO THROUGH A CELLOPHANE MEMBRANE] Crevoisier C, Buriet P, Boucherat J *Pharm Acta Helv* 49: 140-51, 1974 (Fre)

MEMBRANE, BONE

CELLULAR CONTROL OF CALCIUM MOVEMENTS IN BONE. INTERRELATIONSHIPS OF THE BONE MEMBRANE, PARATHYROID HORMONE AND ALKALINE PHOSPHATASE. Ramp WK *Clin Orthop* 311-22, Jan-Feb 75 (Eng)

MEMBRANE, CELL

OBSERVATIONS ON THE BINDING OF ADENOSINE 3:5-MONOPHOSPHATE TO CELL MEMBRANE FRAGMENTS FROM OX CEREBRAL CORTEX. Weller M, Rodnight R *Biochim Biophys Acta* 389: 573-7, 21 May 75 (Eng)

FLUIDITY AND PHASE TRANSITIONS OF CELL MEMBRANES. Chapman D *Biomembranes* 7: 1-9, 1975 (Eng) [42]

[THE STRUCTURE AND ACTION OF CELL MEMBRANES] Simons K *Duodecim* 90: 1653-62, 1974 (Fin) [23]

TEMPERATURE DEPENDENCE OF THE ENERGY-LINKED MONOSACCHARIDE TRANSPORT ACROSS THE CELL MEMBRANE OF RHODOTRULIA GRACILIS. Heller KB, Hofer M *J Membr Biol* 21: 261-71, 1975 (Eng)

CELL MEMBRANES AND DISEASE. GENES, VIRUSES, HORMONES AND THE IMMUNE RESPONSE--AN INTRODUCTION. Dmochowski L, Bowen JM *Am J Clin Pathol* 63: 619-28, May 75 (Eng) [32]

MEMBRANE, CELLOPHANE

[THE TRANSPORT OF THREE FLAVONOID THROUGH ARTIFICIAL AND BIOLOGICAL MEMBRANES. THE TRANSPORT IN VITRO THROUGH A CELLOPHANE MEMBRANE] Crevoisier C, Buriet P, Boucherat J *Pharm Acta Helv* 49: 140-51, 1974 (Fre)

MAMMOGENIC HORMONE

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

MASS TRANSFER COEFFICIENT

AN ANALYSIS OF THE D-GLUCOSE INFLUX KINETICS OF IN VITRO HAMSTER JEJUNUM, BASED ON CONSIDERATIONS OF THE MASS-TRANSFER COEFFICIENT. Dugas MC, Ramaswamy K, Crane RK *Biochim Biophys Acta* 382: 576-89, 8 Apr 75 (Eng)

MATERNAL SERUM

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spellacy WN, Conly PW, Cleveland WW, Buih WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

MATURITY ONSET DIABETES MELLITUS

[ORAL ADMINISTRATION OF AN ACIDIFEROUS DRUG AND ITS EFFECT ON CARBOHYDRATE METABOLISM OF MATURITY-ONSET-DIABETICS TREATED BY ORAL HYPOGLYCAEMIC AGENTS] Klein W *Med Klin* 70: 1432-6, 5 Sep 75 (Ger)

MEDICAL EXPERIMENTATION

STATISTICS AND MEDICAL EXPERIMENTATION. Meier P *Biometrics* 31: 511-29, Jun 75 (Eng)

MEDICATION

[MEDICATION OF PATIENTS WITH RENAL INSUFFICIENCY] Hertig J *Rev Med Suisse Romande* 95: 207-20, Mar 75 (Fre)

MELITURIA

[MELITURIA] Todorovic M *Med Pregl* 28: 163-9, 1975 (Ser)

MEMBRANE

[MEMBRANE-BOUND HORMONE RECEPTORS. PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS] Chevillotte E, Devynck MA, Meyer P, Rouzaire-Dubois B *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

XENON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciucu L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

PROCEEDINGS: A METHOD FOR MEASURING SIMULTANEOUSLY THE BI-DIRECTIONAL NA⁺ AND CL⁻ FLUXES ACROSS A MEMBRANE. Tomlinson RW, Wood AW *J Physiol (Lond)* 242: 57P-58P, Oct 74 (Eng)

B, Crouch MS, Berenson GS *Proc Soc Exp Biol Med* 148: 918-24, Mar 75 (Eng)

MACROPHAGE

MODULATION OF MACROPHAGE FC RECEPTOR EXPRESSION IN VITRO BY INSULIN AND CYCLIC NUCLEOTIDES. Rhodes J *Nature* 257: 597-9, 16 Oct 75 (Eng)

MAGNESIUM

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES; Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

MAGNESIUM DEFICIENCY

[MAGNESIUM DEFICIENCY IN THE RAT AND VARIATION OF SEVERAL PARAMETERS IN RELATION TO LIPID METABOLISM] Raysiguier Y, Larvor P, Durlach J C *R Soc Biol (Paris)* 168: 736-8, 1974 (Fre)

MAGNETIC RESONANCE

CARBON-13 MAGNETIC RESONANCE STUDY OF STRUCTURAL AND DYNAMICAL FEATURES IN CARBAMYLATED INSULINS. Led JJ, Grant DM, Horton WJ, Sundby F, Vihelmsen K *J Am Chem Soc* 97: 5997-6008, 15 Oct 75 (Eng)

MAIZE STARCH

QUANTITATIVE VARIATIONS IN THE ABSORPTION OF GLUCOSE DURING DIGESTION OF MAIZE STARCH IN THE PIG. Rerat A, Aumaitre A, Vaugelade P, Vaissade P *Proc Nutr Soc* 33: 102a-103a, Dec 74 (Eng)

MALABSORPTION SYNDROME

[HEREDITARY DEFICIENCY OF ISOMALTASE AND SACCHARASE RESPONSIBLE FOR A MALABSORPTION SYNDROME (AUTHORS TRANSL.) Niessen KH, Brugmann G, Schmidt K *Klin Paediatr* 187: 163-70, Mar 75 (Ger)

MALATE ASPARTATE SHUTTLE

STUDIES ON THE ACTIVE TRANSFER OF REDUCING EQUIVALENTS INTO MITOCHONDRIA VIA THE MALATE-ASPARTATE SHUTTLE. Bremer J, Davis EJ *Biochim Biophys Acta* 376: 387-97, 20 Mar 75 (Eng)

MALNUTRITION

TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY. Edmonds CJ, Jasani BM, Smith T *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)

MAMMARY FUNCTION

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

MAMMARY GLAND SLICE

INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY-GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Ilie V *Biochem J* 150: 145-52, Aug 75 (Eng)

MEMBRANE CONDUCTANCE

MEMBRANE CONDUCTANCE

LETTER: THE STARZAK MEMBRANE CONDUCTANCE MODEL: A COMMENT. Bretag AH, Hurst CA, Kerr DJ *J Theor Biol* 48: 477-9, Dec 74 (Eng)

MEMBRANE, ENDOPLASMIC

ENDOPLASMIC MEMBRANE AS A SOURCE AND A TARGET FOR CHEMICALLY REACTIVE METABOLIC INTERMEDIATES. Williams DJ, Parry G *Biochem Soc Trans* 3: 69-70, 1975 (Eng)

MEMBRANE, ENERGIZED STATE

THE MAINTENANCE OF THE ENERGIZED MEMBRANE STATE AND ITS RELATION TO ACTIVE TRANSPORT IN *ESCHERICHIA COLI*. Rosen BP, Adler LW *Biochim Biophys Acta* 387: 23-36, 14 Apr 75 (Eng)

MEMBRANE FRACTION

EFFECT OF GLUCOSE AND ITS ANALOGUES ON THE ACCUMULATION AND RELEASE OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN A MEMBRANE FRACTION OF *ESCHERICHIA COLI*: RELATION TO BETA-GALACTOSIDASE SYNTHESIS. Seto H, Nagata Y, Maruo B *J Bacteriol* 122: 669-75, May 75 (Eng)

MEMBRANE, MICROSOMAL

[A RECEPTOR FOR UDP-GLUCOSE IN THE MICROSOMAL MEMBRANES OF RAT HEPATOCYTES] Frot-Coutaz J, Berthillier G, Got R *FEBS Lett* 52: 81-4, 15 Mar 75 (Fre)

MEMBRANE MODEL

BILAYER STRUCTURE IN PHOSPHOLIPID-CYTOCHROME C MODEL MEMBRANES. Shui-Pong-Van, Griffith OH *J Membr Biol* 20: 155-70, 1975 (Eng)

MEMBRANE, PLASMA

STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPRANOLOL. Marshall NJ, Von Borcke S, Malan PG *Endocrinology* 96: 1513-9, Jun 75 (Eng)

ENZYME POLYMORPHISM IN RAT-LIVER MICROSOMES AND PLASMA MEMBRANES. I. AN IMMUNOCHEMICAL STUDY OF MULTIZYME COMPLEXES AND OTHER ENZYME-ACTIVE ANTIGENS. Blomberg F, Rafter M *Eur J Biochem* 49: 21-9, 1 Nov 74 (Eng)

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-95, 1975 (Eng)

POLARITY OF THE RENAL PROXIMAL TUBULAR CELL: FUNCTION AND ENZYME PATTERN OF THE ISOLATED PLASMA MEMBRANES. Kinne RK *Med Clin North Am* 59: 615-27, May 75 (Eng) [43]

MEMBRANE PREPARATION

STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID. Marshall NJ, von Borcke S, Malan PG *Endocrinology* 96: 1520-4, Jun 75 (Eng)

MEMBRANE PROBE

ELECTROCHROMIC PROPERTIES OF MEMBRANE PROBES. Cheng WK *Biomembranes* 7: 56-60, 1975 (Eng)

MEMBRANE REDUCTION

RETINAL CAPILLARY JUNCTIONS: ULTRASTRUCTURAL TIGHT JUNCTION ARTIFACTS INDUCED BY SODIUM IONS AND MEMBRANE REDUCTION IN STREPTOZOTOCIN DIABETES. Sosula L *Cell Tissue Res* 161: 393-411, 25 Aug 75 (Eng)

MEMBRANE VESICLE

EFFECT OF PHOSPHOLIPASE A ON THE STRUCTURE AND FUNCTIONS OF MEMBRANE VESICLES FROM MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3690-8, 25 May 75 (Eng)

EFFECT OF PHOSPHOLIPASE A ON ACTIVE TRANSPORT OF AMINO ACIDS WITH MEMBRANE VESICLES OF MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3699-703, 25 May 75 (Eng)

MESANGIAL CHANGE

MESANGIAL CHANGES OF THE RENAL GLOMERULUS IN LONG-TERM DIABETIC RATS. Anjo A, Couturier E *Pathol Eur* 10: 21-7, 1975 (Eng)

MESANGIUM

THE MESANGIUM IN GLOMERULAR DISEASE. Tighe JR *Proc R Soc Med* 68: 151-8, Mar 75 (Eng)

MESENTERICO-CAVAL ANASTOMOSIS EFFECT

[EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT] Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

METABOLIC COMPLICATION

METABOLIC COMPLICATIONS IN THE USE OF DIURETICS. van Ypersele de Strihou C *Adv Nephrol* 2: 241-50, 1972 (Eng)

METABOLIC EVALUATION

[BETA 2 SPECIFICITY OF SALBUTAMOL: METABOLIC EVALUATIONS] Gemelli M, Barberio G, De Luca F, Franchina A *Boll Soc Ital Biol Sper* 50: 663-6, 30 May 74 (Ita)

METHYLPREDNISOLONE EFFECT

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYLPREDNISOLONE. Issekutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)

MICROANGIOPATHY, DIABETIC

MICROVASCULAR PERMEABILITY TO PLASMA PROTEINS IN HYPERTENSION AND DIABETES MELLITUS IN MAN—ON THE PATHOGENESIS OF HYPERTENSIVE AND DIABETIC MICROANGIOPATHY. Parving HH *Dan Med Bull* 22: 217-33, Sep 75 (Eng)

[LETTER: CUTANEOUS MICROANGIOPATHY, A SIGN OF DEVELOPMENT OF DIABETES]

Romani JD *Nouv Presse Med* 4: 2037, 30 Aug-6 Sep 75 (Fre)

[LETTER: CUTANEOUS MICROANGIOPATHY OF DIABETES FOLLOWING HEMOCHROMATOSIS] Romani JD *Nouv Presse Med* 4: 2116 (1), 13 Sep 75 (Fre)

MICROCIRCULATION

DETERIORATION OF THE MICROCIRCULATION IN DIABETES. McMillan DE *Diabetes* 24: 944-57, Oct 75 (Eng) [168]

MICROCIRCULATION, CUTANEOUS

PROCEEDINGS: CUTANEOUS MICROCIRCULATION AND INSULIN SHOCK. Asano M, Okubo C, Ogawa S, Miwa R *J Physiol Soc Jpn* 36: 382, 1 Sep 74 (Eng)

MICROFILAMENT

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

MICROSCOPY

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

[LIGHT- AND ELECTRON MICROSCOPY STUDIES OF STRUCTURAL CHANGES WITHIN THE EXO- AND ENDOCRINE PANCREAS OF THE ALBINO RAT IN 2-, 3-, 4-, AND 6-WEEK- LONG BI-AVITAMINOSIS] Faller A *Verh Anat Ges* 68: 621-39, 1974 (Ger)

USE OF PHASE CONTRAST MICROSCOPY OF SEMITHIN EPOXY SECTIONS IN HISTOCHEMISTRY. Nevalainen TJ *Beitr Pathol* 156: 80-4, Sep 75 (Eng)

[ADIPOSE TISSUE OF THE ABDOMINAL WALL IN MAN. HISTORY OF LITERATURE AND ELECTRON MICROSCOPIC STUDY CONCERNING THE MORPHOLOGICAL ADIPOSE TISSUE RESEARCH. II. OWN ELECTRON MICROSCOPIC STUDIES ON THE ABDOMINAL WALL ADIPOSE TISSUE IN MAN] Hegewald G, Barenwald G, Schwanengel H *Anat Anz* 136: 462-93, 1974 (Ger)

MICROSOME, RAT LIVER

ENZYME POLYMORPHISM IN RAT-LIVER MICROSOMES AND PLASMA MEMBRANES. I. AN IMMUNOCHEMICAL STUDY OF MULTIZYME COMPLEXES AND OTHER ENZYME-ACTIVE ANTIGENS. Blomberg F, Rafter M *Eur J Biochem* 49: 21-9, 1 Nov 74 (Eng)

MICROTUBULAR MICROFILAMENTOUS SYSTEM

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

MICROVASCULAR PERMEABILITY

MICROVASCULAR PERMEABILITY TO PLASMA PROTEINS IN HYPERTENSION AND DIABETES MELLITUS IN MAN—ON THE PATHOGENESIS OF HYPERTENSIVE AND DIABETIC MICROANGIOPATHY. Parving HH *Dan Med Bull* 22: 217-33, Sep 75 (Eng)

MICROVILLI

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-955, 1975 (Eng)

MIDBRAIN

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOTHYROID--ADRENAL CORTEX SYSTEM] Shaliapina VG, Filaretov AA *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

MIGRATION, EXTRAINTESTINAL

BLOOD GLUCOSE, TOTAL SERUM CHOLESTEROL AND TOTAL BILIRUBIN LEVELS OF RATS FOLLOWING EXTRAINTESTINAL MIGRATION OF STRONGYLOIDES VENEZUELENSIS (BRUMPT, 1934). Petricelli RP, Hardy SM *Comp Biochem Physiol* [B] 50: 537-40, 15 Apr 75 (Eng)

MILK CONSUMPTION

CORRELATION OF LACTASE ACTIVITY, LACTOSE TOLERANCE AND MILK CONSUMPTION IN DIFFERENT AGE GROUPS. Lehenthal E, Antonowicz I, Shwachman H *Am J Clin Nutr* 28: 595-600, Jun 75 (Eng)

MITOCHONDRIA

GLUCAGON STIMULATION OF MITOCHONDRIAL RESPIRATION. Yamazaki RK *J Biol Chem* 250: 7924-30, 10 Oct 75 (Eng)

STUDIES ON THE ACTIVE TRANSFER OF REDUCING EQUIVALENTS INTO MITOCHONDRIA VIA THE MALATE-ASPARTATE SHUTTLE. Bremer J, Davis EJ *Biochim Biophys Acta* 376: 387-97, 20 Mar 75 (Eng)

MITOCHONDRIA FROM HUMAN TERM PLACENTA. I. ISOLATION AND ASSAY CONDITIONS FOR OXIDATIVE PHOSPHORYLATION. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 426-35, 20 Mar 75 (Eng)

MITOCHONDRIA FROM HUMAN TERM PLACENTA. II. CHARACTERIZATION OF RESPIRATORY PATHWAYS AND COUPLING MECHANISMS. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 436-45, 20 Mar 75 (Eng)

MITOCHONDRIAL OXYGEN AFFINITY AS A FUNCTION OF REDOX AND PHOSPHATE POTENTIALS. Bienfait HF, Jacobs JM, Slater EC *Biochim Biophys Acta* 376: 446-57, 20 Mar 75 (Eng)

ATPASE INHIBITOR FROM YEAST MITOCHONDRIA. PURIFICATION AND PROPERTIES. Satre M, de Jerphanion MB, Huet J, Vignais PV *Biochim Biophys Acta* 387: 241-55, 15 May 75 (Eng)

MITOCHONDRIA, CA²⁺ TRANSPORT AND THE REGULATION OF HEART CONTRACTION AND METABOLISM. Carafoli E *J Mol Cell Cardiol* 7: 83-7, Feb 75 (Eng) [40]

MITOCHONDRIA, RAT LIVER

[TURNOVER OF NEUTRAL LIPIDS AND PHOSPHOLIPIDS IN RAT LIVER MITOCHONDRIA] Medli FM, Landriscina C, Quagliariello E *Bull Soc Ital Biol Sper* 50: 1324-8, 15 Sep 74 (Ita)

THE EFFECTS OF PHOSPHATE AND ELECTRON TRANSPORT ON THE CARBONYL CYANIDE M-CHLOROPHENYL-HYDRAZONE-INDUCED ATPASE OF RAT-LIVER MITOCHONDRIA. Bertina RM, Slater EC *Biochim Biophys Acta* 376: 492-504, 20 Mar 75 (Eng)

MECHANISM OF ACTION OF AGENTS WHICH UNCOUPLE OXIDATIVE PHOSPHORYLATION: DIRECT CORRELATION BETWEEN PROTON-CARRYING AND RESPIRATORY-RELEASING PROPERTIES USING RAT LIVER MITOCHONDRIA. Cunarro J, Weiner MW *Biochim Biophys Acta* 387: 234-40, 15 May 75 (Eng)

[RECENT DATA ON D(MINUS) BETA-HYDROXYBUTYRATE DEHYDROGENASE OF RAT LIVER MITOCHONDRIA] Latruffe N, Gaudemer Y *C R Soc Biol (Paris)* 168: 848-56, 1974 (Fre)

EFFECT OF AFLATOXINS ON OXIDATIVE PHOSPHORYLATION BY RAT LIVER MITOCHONDRIA. Ramachandra Pai M, Jayanthi Bai N, Venkatasubramanian TA *Chem Biol Interact* 10: 123-31, Feb 75 (Eng)

ON THE MECHANISM OF TRANSLLOCATION OF PYRUVATE AND OTHER MONOCARBOXYLIC ACIDS IN RAT-LIVER MITOCHONDRIA. Papa S, Paradies G *Eur J Biochem* 49: 265-74, 1 Nov 74 (Eng)

THE EFFECT OF ADENOSINE TRIPHOSPHATE ON THE TRICARBOXYLATE TRANSPORTING SYSTEM OF RAT LIVER MITOCHONDRIA. Robinson BH, Cheema-Dhadli S, Halperin ML *J Biol Chem* 250: 3639-43, 25 May 75 (Eng)

EFFECTS OF VITAMIN E DEFICIENCY ON GSH-INDUCED SWELLING OF RAT LIVER MITOCHONDRIA. Alojzic SO, Ellis LC, Johnson RM, Street JC *Proc Soc Exp Biol Med* 148: 929-32, Mar 75 (Eng)

MITOCHONDRION

THE EFFECT OF PROGESTERONE ON MONOVALENT CATION TRANSPORT INTO THE MITOCHONDRION. Swierczynski J, Alk-sandrowicz Z, Zelewski L *Physiol Chem Phys* 5: 37-42, 1973 (Eng)

MITOCHONDRION, SKELETAL MUSCLE

EFFECTS OF THYROID HORMONE ADMINISTRATION ON SKELETAL MUSCLE MITOCHONDRIA. Winder WW, Baldwin KM, Terjung RL, Holloszy JO *Am J Physiol* 228: 1341-5, May 75 (Eng)

MITRAL COMMISUROTOMY

A CASE OF ACUTE ADRENOCORTICAL FAILURE ON THE SECOND DAY FOLLOWING MITRAL COMMISUROTOMY. Holdrowicz M, Szymanska M *Anaesth Resusc Intensiv Ther* 2: 373-7, Oct-Dec 74 (Eng)

MODEL, MATHEMATICAL

[MATHEMATICAL MODELING OF THE KINETICS OF CHAIN OXIDATION OF BIOMEMBRANE LIPIDS IN THE PRESENCE OF FE²⁺ AND IONS] Anonymous *Biofizika* 18: 1024-30, Nov-Dec 73 (Rus)

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES; Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

MODEL, OLIGOMERIC

INSTABILITIES, OSCILLATIONS AND CHEMICAL WAVES IN AN OLIGOMERIC MODEL FOR MEMBRANE TRANSPORT. Blumenthal R *J Theor Biol* 49: 219-39, Jan 75 (Eng)

MODEL, STARZAK MEMBRANE CONDUCTANCE

LETTER: THE STARZAK MEMBRANE CONDUCTANCE MODEL: A COMMENT. Bretag AH, Hurst CA, Kcrr DJ *J Theor Biol* 48: 477-9, Dec 74 (Eng)

MOLTING

BLOOD GLUCOSE IN CRAYFISH--I. VARIATIONS ASSOCIATED WITH MOLTING. Telford M *Comp Biochem Physiol* [A] 47: 461-8, 1 Feb 74 (Eng)

MONITORING

INTERPRETING LABORATORY DATA. MONITORING THE GERIATRIC PATIENT. Bender KJ, Grams RR *J Am Pharm Assoc* 15: 21-3, Jan 75 (Eng)

MONKEY

[SYMPOSIUM: MONKEYS AS HUMAN MODELS. I. ENDOCRINE AND METABOLIC STUDIES] Osawa N *Exp Anim (Tokyo)* 23: 271-2, Oct 74 (Jpn)

MONKEY, RHESUS

EFFECTS OF HYPOTENSION ON RHESUS MONKEYS. Gamache FW Jr, Myers RE *Arch Neurol* 32: 374-80, Jun 75 (Eng)

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. Kokatnur MG, Malcom GT, Eggen DA, Strong JP *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

MONKEY, SQUIRREL

METABOLISM OF LIPOPROTEINS IN NONHUMAN PRIMATES. STUDIES ON THE ORIGIN OF LOW DENSITY LIPOPROTEIN APOPROTEIN IN THE PLASMA OF THE SQUIRREL MONKEY. Illingworth DR *Biochim Biophys Acta* 388: 38-51, 18 Apr 75 (Eng)

MONOCARBOXYLIC ACID

ON THE MECHANISM OF TRANSLLOCATION OF PYRUVATE AND OTHER MONOCARBOXYLIC ACIDS IN RAT-LIVER MITOCHONDRIA. Papa S, Paradies G *Eur J Biochem* 49: 265-74, 1 Nov 74 (Eng)

MONOLAYER

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

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MONOVALENT CATION

MONOVALENT CATION

THE EFFECT OF PRESSURE AND THE VOLUME OF ACTIVATION ON THE MONOVALENT CATION AND GLUCOSE PERMEABILITIES OF LIPOSOMES OF VARYING COMPOSITION. Johnson SM, Miller KW *Biochim Biophys Acta* 375: 286-91, 28 Jun 75 (Eng)

MORNING NAP

SLEEP-RELATED GROWTH HORMONE SECRETION AND MORNING NAPS. Othmer E, Mendelson WB, Levine WR, Malarkey WB, Daughaday WH *Steroids Lipids Res* 5: 380-6, 1974 (Eng)

MORTALITY

DIABETES. A TWENTY YEAR MORTALITY STUDY. Goodkin G *Trans Assoc Life Ins Med Dir Am* 58: 217-71, 1975 (Eng)

MOTHER

[THE PHYSICAL DEVELOPMENT OF NEW-BORN INFANTS AND THE FREE AMINO ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Panfirov VV *Pediatr Akush Ginek* 43-6, Mar-Apr 75 (Ukr)

MOTOR CONDUCTION

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT: VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES: H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Esp* 138: 445-52, 15 Sep 75 (Spa)

MOTOR EFFECT

CLINICAL, SECRETORY AND MOTOR EFFECTS OF SELECTIVE PROXIMAL VAGOTOMY. A THREE-YEAR FOLLOW-UP. Moberg S, Hedenstedt S *Acta Chir Scand* 141: 203-7, 1975 (Eng)

MOTOR FUNCTION

ACTIONS OF GASTROINTESTINAL HORMONES AND RELATED PEPTIDES ON THE MOTOR FUNCTION OF THE BILIARY TRACT. Lin TM *Gastroenterology* 69: 1006-22, Oct 75 (Eng) [137]

MOUSE

THE EFFECT OF FASTING ON TISSUE CYCLIC CAMP AND PLASMA GLUCAGON IN THE OBESE HYPERGLYCEMIC MOUSE. Lavine RL, Voyles N, Perrino PV, Recant L *Endocrinology* 97: 615-20, Sep 75 (Eng)

LIPOTATROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYS-TROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

THE INCORPORATION OF ¹⁴C FROM [1-¹⁴C] PALMITATE INTO GLUCOSE AND GLYCOGEN IN MICE. Pushpendran CK, Eapen J *Can J Biochem* 53: 478-84, Apr 75 (Eng)

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED

WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

MOUSE, NEW ZEALAND OBESE

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

MOUSE, OBOB

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kisebah AH, Hope-Gill H, Vydelingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

MOUSE, WHIRLER

METABOLISM RATE, BIOCHEMICAL AND ENDOCRINE ALTERATIONS IN MALE WHIRLER MICE. Weltman AS, Sackler AM, Lewis AS, Johnson L *Physiol Behav* 5: 17-22, Jan 70 (Eng)

MUCOID ENTERITIS, RABBIT

MUCOID ENTERITIS IN THE RABBIT ASSOCIATED WITH E. COLI CHANGES IN THE CARBOHYDRATE METABOLISM. Vetesi F, Kutas F *Acta Vet Acad Sci Hung* 24: 303-11, 1974 (Eng)

MUCOPOLYSACCHARIDE ACID

LIPOPROTEIN-ACID MUCOPOLYSACCHARIDE COMPLEXES OF HUMAN ATHEROSCLEROTIC LESIONS. Srinivasan SR, Radhakrishnamurthy B, Pargaonkar PS, Berenson GS, Dolan P *Biochim Biophys Acta* 388: 58-70, 18 Apr 75 (Eng)

MUCORMYCOSIS, NASAL

NASAL MUCORMYCOSIS: EARLY DETECTION AND TREATMENT WITHOUT RADICAL SURGERY OR AMPHOTERICIN B. Pollock RA, Pratt RC, Shulman JA, Turner JS *South Med J* 68: 1279-82, Oct 75 (Eng)

MUCOSA, GASTRIC

[IN VITRO BIOSYNTHESIS OF THE MACROMOLECULES OF GASTRIC MUCOSA] Waldron-Edward D, Decaens C, Bader JP, Robert L *C R Acad Sci [D] (Paris)* 279: 1397-9, 14 Oct 74 (Fre)

MUCOSA, INTESTINAL

MECHANISMS OF LIPID LOSS FROM THE SMALL INTESTINAL MUCOSA. Waldram R *Gut* 16: 118-124, Feb 75 (Eng)

MULTIENZYME COMPLEX

ENZYME POLYMORPHISM IN RAT-LIVER MICROSOMES AND PLASMA MEMBRANES. 1. AN IMMUNOCHEMICAL STUDY OF MULTIENZYME COMPLEXES AND OTHER ENZYME-ACTIVE ANTIGENS. Blomberg F, Raffell M *Eur J Biochem* 49: 21-9, 1 Nov 74 (Eng)

MUMPS VIRUS

CHRONIC PANCREATITIS IN CHILDHOOD ASSOCIATED WITH MUMPS VIRUS INFECTION. Wood CB, Bradbrook RA, Blumgart LH *Br J Clin Pract* 28: 67-9, Feb 74 (Eng)

MUSCLE

[EFFECT OF PERIODIC LOWERING OF THE TEMPERATURE OF THE SURROUNDING MEDIUM ON THE EFFICIENCY OF ADAPTATION OF MUSCLES TO INCREASED ACTIVITY] Kosenkova ZE *Fiziol Zh SSSR* 60: 1403-9, Sep 74 (Rus)

MUSCLE, SHEEP

PROCEEDINGS: BLOOD FLOW AND SUBSTRATE UPTAKE AND OXIDATION IN THE HIND LIMB MUSCLES OF SHEEP. Domanski A, Linksay DB, Setchell BP *J Physiol (Lond)* 242: 28-29P, Oct 74 (Eng)

MUSCULAR EXERTION

MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiomello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

MUSCULATURE, STRIATE

[THE MECHANISM OF THE FAVORABLE EFFECT OF INSULIN ON STRIATE MUSCULATURE FOLLOWING REMOVAL OF PLASTER CASTS] Rusev G, Radev S, Nakov D, Dzhirkolova T *Eksp Med Morfol* 11: 96-101, 1972 (Bul)

MUTAROTASE

MUTAROTASE (ALDOSE 1-EPIMERASE) FROM KIDNEY CORTEX. Bailey JF, Fishman PH, Kusiak JW, Mulhern S, Pentchev PG *Methods Enzymol* 41: 471-84, 1975 (Eng)

MYCOBACTERIUM PHLEI

EFFECT OF PHOSPHOLIPASE A ON THE STRUCTURE AND FUNCTIONS OF MEMBRANE VESICLES FROM MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3690-8, 25 May 75 (Eng)

EFFECT OF PHOSPHOLIPASE A ON ACTIVE TRANSPORT OF AMINO ACIDS WITH MEMBRANE VESICLES OF MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3699-703, 25 May 75 (Eng)

MYOCARDIAL BIOPSY

CARDIOMYOPATHY--THE FREQUENTLY FORGOTTEN MIMIC: CLINICAL AND OPEN-CHEST MYOCARDIAL BIOPSY STUDIES. Fitzgibbon GM *Aviat Space Environ Med* 46: 1248-50, Oct 75 (Eng)

MYOCARDIAL DAMAGE

[PROTECTIVE EFFECT OF GLUCOSE-INSULIN-POTASSIUM SOLUTIONS IN MYOCARDIAL DAMAGE CAUSED BY EMETINE] de Micheli A, Medrano GA, Villarreal A, Sodi-Palares D *Arch Inst Cardiol Mex* 45: 469-86, Jul-Aug 75 (Spa)

MYOCARDIAL INFARCT

[INCIDENCE OF HYPERURICEMIA AND GOUT IN CORONARY INSUFFICIENCY FROM ANGINA PECTORIS TO MYOCARDIAL INFARCT] May V, Robert H *Rev Rhum Mal Osteoartic* 42: 467-70, Jul-Sep 75 (Fre)

Diabetes Literature—Keyword Index

NORADRENALINE

[JUVENILE MYOCARDIAL INFARCT AND ITS RISK FACTORS. RESULTS FROM 172 CASES] Fiegel G *Z Allgemeinmed* 51: 939-41, 31 Jul 75 (Ger)

[CLINICAL CORRELATION BETWEEN THE ENDOCRINE SYSTEM AND THE CARDIOVASCULAR SYSTEM. BETA-ADRENERGIC BLOCK IN ACUTE MYOCARDIAL INFARCT] Palma G, Nubile G *Boll Soc Ital Biol Sper* 50: 1433-9, 30 Sep 74 (Ita)

MYOCARDIAL INJURY, PIG

FAILURE OF FREE FATTY ACIDS TO INFLUENCE DEGREE OF MYOCARDIAL INJURY FOLLOWING ACUTE CORONARY ARTERY OCCLUSION IN PIGS. Most AS, Capone RJ, Szydlak P, Bruno CA, DeVona TS *Cardiology* 59: 201-12, 1974 (Eng)

MYOCARDIAL ISCHEMIA

[VALUES OF GLUCOSE, POTASSIUM AND INORGANIC PHOSPHATE AS METABOLIC INDICATORS OF MYOCARDIAL ISCHEMIA IN HUMANS] Dagenais GR, Marquis Y, Moisan A *Arch Mal Coeur* 68: 169-77, Feb 75 (Fre)

MYOCARDIAL PERFORMANCE

MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PANCREATOTOMIZED DOG. Coleman B, Kallal JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)

NATRIURESIS

THE MECHANISM OF THE NATRIURESIS OF FASTING. Sigler MH *J Clin Invest* 55: 377-87, Feb 75 (Eng)

NECROSIS, MEDULLA

[JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL.)] Azubuike JC, Gullott F, Kallfelz HC, Gellissen K, Mende S, Exst R *Neuropadiatrie* 6: 292-306, Aug 75 (Ger)

NEONATAL SECRETION

NEONATAL SECRETION OF SECRETIN. Rogers IM, Davidson DC, Lawrence J, Buchanan KD *Arch Dis Child* 50: 120-2, Feb 75 (Eng)

NEONATAL SWINE

EPINEPHRINE-INDUCED HYPERGLYCEMIA AND GLYCOGENOLYSIS IN FED AND FASTED NEONATAL SWINE. Stanton HC, Mueller RL *Biol Neonate* 25: 307-19, 1974 (Eng)

NEPHROPATHY, DIABETIC

[A STUDY OF RENAL FUNCTION USING RADIOISOTOPE METHODS IN PATIENTS WITH DIABETIC NEPHROPATHY] Astrup A, Sheiretova E, Ketskarova S, Todorova L *Vutr Boles* 13: 86-92, 1974 (Bul)

NERVE MEMBRANE

CURRENT-VOLTAGE RELATIONS IN NERVE MEMBRANES. Bass L *J Theor Biol* 48: 133-40, Nov 74 (Eng)

NERVE, SYMPATHETIC

[PROCEEDINGS: HYPERGLYCEMIA IN THE EARLY PHASE OF ALLOXAN ADMINISTRATION AND SYMPATHETIC NERVE INTERRUPTION] Yasumitsu C, Matsuo Y, Tanaka I *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Jpn)

NERVOUS SYSTEM, AUTONOMIC

[EDITORIAL: ADVANCED DIABETES AND THE AUTONOMIC NERVOUS SYSTEM] Juel Christensen N, Gundersen HJ *Ugeskr Laeger* 137: 2207-8, 15 Sep 75 (Dan)

NERVOUS TISSUE

[35-S]SULFATE INCORPORATION INTO MYELIN GLYCOPROTEINS; II. PERIPHERAL NERVOUS TISSUE. Matthieu JM, Everly JL, Brady RO, Quarles RH *Biochim Biophys Acta* 392: 167-74, 5 May 75 (Eng)

NESIDIOBLASTOSIS

LETTER: NESIDIOBLASTOSIS IN FAMILIAL ENDOCRINE ADENOMATOSIS. Szalay GC *J Pediatr* 87: 498, Sep 75 (Eng)

NEURITIS, OPTIC

LETTER: AETIOLOGY OF OPTIC NEURITIS. Anonymous *Br Med J* 3: 703-4, 20 Sep 75 (Eng)

NEURON, RAT

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

NEUROSPORA

SUBUNIT STRUCTURE AND SOME PROPERTIES OF PYRUVATE KINASE OF NEUROSPORA. Kapoor M *Can J Biochem* 53: 109-19, Feb 75 (Eng)

NEUROTOXICITY

PREVENTION OF 6-HYDROXYDOPAMINE NEUROTOXICITY. Cohen G, Allis B, Winston B, Mytilineou C, Heikkila R *Eur J Pharmacol* 33: 217-21, Aug 75 (Eng)

NEWBORN

UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybulski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)

NEWBORN INFANT

[SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schroter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)

LETTER: FEEDING AND PLASMA NEFA LEVELS IN NEWBORN INFANTS. Anagnostakis D *J Pediatr* 86: 991-2, Jun 75 (Eng)

[THE PHYSICAL DEVELOPMENT OF NEWBORN INFANTS AND THE FREE AMINO ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Panfirov VV *Pediatr Akush Ginekol* 43-6, Mar-Apr 75 (Ukr)

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

NITROGEN

[THE PHYSICAL DEVELOPMENT OF NEWBORN INFANTS AND THE FREE AMINO ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Panfirov VV *Pediatr Akush Ginekol* 43-6, Mar-Apr 75 (Ukr)

NITROGEN LOSS

NITROGEN LOSS IN NORMAL AND OBESE SUBJECTS DURING TOTAL FAST. Goschke H, Stahl M, Tholen H *Klin Wochenschr* 53: 605-10, 1 Jul 75 (Eng)

NITROGEN METABOLISM

EFFECT OF UNDERNUTRITION ON NITROGEN METABOLISM IN THE PREGNANT EWE. Guada JA, Robinson JJ *Proc Nutr Soc* 33: 84a-85a, Dec 74 (Eng)

N-NITROSOMETHYLUREA

SPECIFIC UPTAKE OF LABELLED N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS OF CHINESE HAMSTERS. Tjalve H, Wilander E *Experientia* 31: 1061-2, 15 SEP 75 (Eng)

UPTAKE OF LABELLED-N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS. Wilander E, Tjalve H *Virchows Arch [Pathol Anat]* 367: 27-33, 23 Jun 75 (Eng)

NON AUDITORY RESPONSE

CERTAIN NON-AUDITORY PHYSIOLOGICAL RESPONSES TO NOISES. Brown JE, Thompson RN, Folk ED *Am Ind Hyg Assoc J* 36: 285-91, Apr 75 (Eng)

NON GLUCOSE SUGAR EFFECT

[EFFECTS OF NON-GLUCOSE SUGARS ON BLOOD GLUCOSE DETERMINATION] Hayashi T, Yamaguchi H *Jpn J Clin Pathol* 22: 756-60, Nov 74 (Jpn)

NON NEPHRECTOMIZED

PLASMA ALDOSTERONE IN ANEPHRIC AND NON-NEPHRECTOMIZED DIALYSIS PATIENTS IN RELATION TO CHANGES IN PLASMA POTASSIUM WITHOUT CHANGE IN TOTAL POTASSIUM BALANCE. Olgaard K *Acta Med Scand* 198: 213-8, Sep 75 (Eng)

NONDIABETIC

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficarra AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

NORADRENALINE

PROCEEDINGS: THE DISPOSITION OF L-(3-H) - NORADRENALINE BY THE ISOLATED EPIDIDYMAL FAT PAD OF THE RAT AND

Diabetes Literature—Keyword Index

NORMO-HYPERKALAEMIC KINDRED

THE EFFECT OF ANTILIPOLYTIC AGENTS. Birzi A, Codegoni AM, Luzzani F, Manara L, Taccioni MT *Br J Pharmacol* 52: 449p-450p, Nov 74 (Eng)

NORMO-HYPERKALAEMIC KINDRED

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

NUCLEOSIDE DIPHOSPHATE

NUCLEOSIDE-DIPHOSPHATE DERIVATIVES OF 2-DEOXY-D-GLUCOSE IN ANIMAL CELLS. Schmidt MFG, Schwarz RT, Scholtissek C *Eur J Biochem* 49: 237-47, 1 Nov 74 (Eng)

NUCLEOTIDE SUBSTRATE

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. I. GTP AS NUCLEOTIDE SUBSTRATE FOR HISTONE PHOSPHORYLATION. Skala JP, Knight BL *Biochim Biophys Acta* 385: 114-23, 14 Mar 75 (Eng)

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. II. TWO SOLUBLE KINASE ACTIVITIES AND THEIR AFFINITIES FOR NUCLEOTIDE AND PROTEIN SUBSTRATES. Knight BL, Skala JP *Biochim Biophys Acta* 385: 124-32, 14 Mar 75 (Eng)

NUTRITION

[SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schrotter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)

[HEALTHY NUTRITION] Lewerenz G, Haenel H *Z Gesamte Hyg* 20: 682-7, Oct 74 (Ger)

NUTRITION, PARENTERAL

[POSTOPERATIVE PARENTERAL NUTRITION] Goschke H, Leutenegger A, Gruber UF *Nutr Metab* 18 suppl 1: 197-208, 1975 (Ger)

OBESE

L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE. Pinter EJ, Tollis G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)

OBESE DIABETIC

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

A YEARS EXPERIENCE IN A CLINIC FOR OBESE DIABETICS. Jackson WP, Mowsowitz F, Goldblatt R *S Afr Med J* 49: 1598-600, 13 Sep 75 (Eng)

OBESE MOUSE

THE EFFECT OF FASTING ON TISSUE CYCLIC AMP AND PLASMA GLUCAGON IN THE OBESE HYPERGLYCEMIC MOUSE. Lavine RL, Voyles N, Perrino PV, Recant I *Endocrinology* 97: 615-20, Sep 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissebah AH, Hope-Gill H, Vydelingum N, Tul-

loch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

OBESE SUBJECT

[EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)

NITROGEN LOSS IN NORMAL AND OBESE SUBJECTS DURING TOTAL FAST. Goschke H, Stahl M, Tholen H *Klin Wochenschr* 53: 605-10, 1 Jul 75 (Eng)

OBSITY

LETTER: IMPAIRED GLYCEROL CLEARANCE IN OBESITY. Wade AJ *Lancet* 2: 708, 11 Oct 75 (Eng)

MASSIVE OBESITY AND THE KIDNEY. A MORPHOLOGIC AND STATISTICAL STUDY. Cohen AH *Am J Pathol* 81: 117-30, Oct 75 (Eng)

TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY. Edmonds CJ, Jasani BM, Smith T *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)

OBESITY. Eddy TP *Community Health (Bristol)* 6: 184-9, Jan-Feb 75 (Eng)

A STUDY OF CONNECTIVE TISSUE MACROMOLECULES IN SKIN OF MICE WITH GOLDTHIOGLUCOSE-INDUCED OBESITY. Dalferes ER Jr, Radhakrishnamurthy B, Crouch MS, Berenson GS *Proc Soc Exp Biol Med* 148: 918-24, Mar 75 (Eng)

OBSITY PREVENTION

[PHYSICAL EDUCATIONAL VIEWPOINTS ON THE PREVENTION OF OBESITY IN CHILDHOOD] Berndt I, Rehs HJ, Rutenfranz J *Off Gesundheitswes* 37: 1-9, Jan 75 (Ger)

OCCLUSIVE DISEASE

LUMBAR SYMPLECTOMY IN THE TREATMENT OF PERIPHERAL VASCULAR OCCLUSIVE DISEASE. TEN YEAR STUDY. Berardi RS, Siroospour D *Am J Surg* 130: 309-14, Sep 75 (Eng)

OCTANOATE EFFECT

METABOLISM OF OCTANOATE AND ITS EFFECT ON GLUCOSE AND PALMITATE UTILIZATION BY ISOLATED FAT CELLS. Maragoudakis ME, Kalinsky HJ, Lennane J *Proc Soc Exp Biol Med* 148: 606-10, Mar 75 (Eng)

OCTAPEPTIDE EFFECT

EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG. Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)

OPEN HEART SURGERY

ANAESTHESIA FOR OPEN HEART SURGERY IN THE CALF. Gerring EL, Scarth SC *Br J Anaesth* 46: 455-60, Jun 74 (Eng)

OPISTHORCHIASIS

[IMMUNOMORPHOLOGICAL AND HISTOCHEMICAL CHANGES IN THE LYMPHOID ORGANS IN EXPERIMENTAL OPISTHORCHIASIS. COMMUNICATION II. SUPERINVASION] Klebanovskaia IA *Med Parazitol (Mosk)* 44: 460-4, Jul-Aug 75 (Rus)

ORAL ANTIDIABETIC

NEW ORAL ANTIDIABETIC DRUGS. SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIPS. Francia E, Marin A, Verdejo F, Sanchez MS, Morell J *Boll Chim Farm* 114: 379-92, Jul 75 (Eng)

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

[HEART DEATH AND ORAL ANTIDIABETICS; THE LAST JUDGEMENT] Toubert JL *Ned Tijdschr Geneesk* 119: 1506-8, 27 Sep 75 (Dut)

EFFECT OF ORAL ANTIDIABETIC DRUGS ON LIPISE ACTIVITY IN VITRO. Holmes JH, Sapeika N, Zwarenstein H *Res Commun Chem Pathol Pharmacol* 11: 667-70, Aug 75 (Eng)

ORAL CONTRACEPTIVE AGENT

EFFECTS OF ORAL CONTRACEPTIVE AGENTS ON CARBOHYDRATE METABOLISM. Kalkhoff RK *J Steroid Biochem* 6: 949-56, Jun 75 (Eng) [88]

ORAL GLUCOSE

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORY PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Frey EJ, Fiedler H *Endocrinology* 65: 91-102, Feb 75 (Ger)

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DISPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

ORAL HYPOGLYCEMIC

[CONTROL OF DIABETES BY DIET ALONE IN PATIENTS RECEIVING ORAL HYPOGLYCEMIC DRUGS] Dreyfuss G, Canaan Z *Harefuah* 89: 254-6, 16 Sep 75 (Heb)

[ORAL ADMINISTRATION OF AN ACIDIFEROUS DRUG AND ITS EFFECT ON CARBOHYDRATE METABOLISM OF MATURITY-ONSET-DIABETICS TREATED BY ORAL HYPOGLYCAEMIC AGENTS] Klein W *Med Klin* 70: 1432-6, 5 Sep 75 (Ger)

[REHABILITATION OF ORAL HYPOGLYCEMIC AGENTS] Biron P *Union Med Can* 104: 1421-4, Sep 75 (Fre)

ORGAN

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

Diabetes Literature—Keyword Index

PANCREAS, RAT

ORGAN, RAT

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

ORGAN WEIGHT

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

OSCILLATION

INSTABILITIES, OSCILLATIONS AND CHEMICAL WAVES IN AN OLIGOMERIC MODEL FOR MEMBRANE TRANSPORT. Blumenthal R *J Theor Biol* 49: 219-39, Jan 75 (Eng)

OSMOLAR CONTROL

OSMOLAR CONTROL OF THE CIRCULATION IN HEMORRHAGIC HYPOTENSION. AN EXPERIMENTAL STUDY IN THE CAT. Jarhult J *Acta Physiol Scand [Suppl]* 1-84, 1975 (Eng)

OSMOLARITY, EXTRACELLULAR

ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY. Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)

OUABAIN EFFECT

A COMPARISON OF THE EFFECTS OF OUABAIN ON SUGAR AND SODIUM TRANSPORT AND ON CONTRACTILE ACTIVITY OF ISOLATED ATRIA. Bihler I, Sawh PC *Proc West Pharmacol Soc* 18: 106-9, 1975 (Eng)

INHIBITORY EFFECT OF OUABAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)

OX

RELEASE OF GROWTH HORMONE FROM OX PITUITARY SLICES AFTER PRONASE TREATMENT. Schofield JG, Orci L *J Cell Biol* 65: 223-7, Apr 75 (Eng)

OXIDASE, GLUCOSE

[COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANS, GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQUES DURING THE ORAL GLUCOSE TOLERANCE TEST] Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)

THE PREPARATION OF SEVERAL NEW NYLON TUBE-GLUCOSE OXIDASE DERIVATIVES AND THEIR INCORPORATION INTO THE REAGENTLESS AUTOMATED ANALYSIS OF GLUCOSE. Campbell J, Hornby WE, Morris DL *Biochim Biophys Acta* 384: 307-16, 19 Apr 75 (Eng)

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Ninomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

OXIDATION

PROCEEDINGS: BLOOD FLOW AND SUBSTRATE UPTAKE AND OXIDATION IN THE HIND LIMB MUSCLES OF SHEEP. Domanski A, Linksy DB, Setchell BP *J Physiol (Lond)* 242: 28-29P, Oct 74 (Eng)

OXIDATION, CHAIN

[MATHEMATICAL MODELING OF THE KINETICS OF CHAIN OXIDATION OF BIOMEMBRANE LIPIDS IN THE PRESENCE OF FE²⁺ IONS] Anonymous *Biofizika* 18: 1024-30, Nov-Dec 73 (Rus)

OXIDATIVE METABOLISM

OXIDATIVE AND GLYCOLYTIC METABOLISM OF SEMEN COMPONENTS BY WASHED GUINEA PIG SPERMATOZOA. Frenkel G, Peterson RN, Freund M *Fertil Steril* 26: 144-7, Feb 75 (Eng)

OXIDATIVE PHOSPHORYLATION

MITOCHONDRIA FROM HUMAN TERM PLACENTA. I. ISOLATION AND ASSAY CONDITIONS FOR OXIDATIVE PHOSPHORYLATION. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 426-35, 20 Mar 75 (Eng)

MECHANISM OF ACTION OF AGENTS WHICH UNCOUPLE OXIDATIVE PHOSPHORYLATION: DIRECT CORRELATION BETWEEN PROTON-CARRYING AND RESPIRATORY-RELEASING PROPERTIES USING RAT LIVER MITOCHONDRIA. Cunarro J, Weiner MW *Biochim Biophys Acta* 387: 234-40, 15 May 75 (Eng)

EFFECT OF AFLATOXINS ON OXIDATIVE PHOSPHORYLATION BY RAT LIVER MITOCHONDRIA. Ramachandra Pai M, Jayanthi Bai N, Venkatasubramanian TA *Chem Biol Interact* 10: 123-31, Feb 75 (Eng)

OXIDATIVE STABILIZATION

INSULIN-SENSITIVE PHOSPHODIESTERASE. ITS LOCALIZATION, HORMONAL STIMULATION, AND OXIDATIVE STABILIZATION. Kono T, Robinson FW, Sarver JA *J Biol Chem* 250: 7826-35, 10 Oct 75 (Eng)

OXYGEN AFFINITY

MITOCHONDRIAL OXYGEN AFFINITY AS A FUNCTION OF REDOX AND PHOSPHATE POTENTIALS. Bienfait HF, Jacobs JM, Slater EC *Biochim Biophys Acta* 376: 446-57, 20 Mar 75 (Eng)

OXYGEN CONSUMPTION

PHARMACOLOGIC EFFECTS OF GASTROINTESTINAL HORMONES ON INTESTINAL OXYGEN CONSUMPTION AND BLOOD FLOW. Bowen JC, Pawlik W, Fang WF, Jacobson ED *Surgery* 78: 515-9, Oct 75 (Eng)

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

OXYGEN TENSION

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

PALMITATE

METABOLISM OF OCTANOATE AND ITS EFFECT ON GLUCOSE AND PALMITATE UTILIZATION BY ISOLATED FAT CELLS. Maragoudakis ME, Kalinsky HJ, Lennane J *Proc Soc Exp Biol Med* 148: 606-10, Mar 75 (Eng)

14C-PALMITATE

THE INCORPORATION OF 14C FROM [1-14C] PALMITATE INTO GLUCOSE AND GLYCOGEN IN MICE. Pushpendran CK, Eapen J *Can J Biochem* 53: 478-84, Apr 75 (Eng)

PALMITATE EFFECT

EFFECT OF PALMITATE ON HYPOXIC CARDIAC PERFORMANCE. Gmeiner R, Apstein CS, Brachfeld N *J Mol Cell Cardiol* 7: 227-35, Apr 75 (Eng)

PANCREAS

PROCEEDINGS: THE EFFECT OF PORTAL AND SYSTEMIC VENOUS DRAINAGE OF THE PANCREAS ON GLUCOSE AND INSULIN METABOLISM. Collin J, Taylor RM, Johnston ID *Br J Surg* 62: 660, Aug 75 (Eng)

[SURGERY OF THE PANCREAS. RESULTS AND SEQUELAE] Schoenemann J *Internist (Berlin)* 16: 276-83, Jun 75 (Ger)

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynner H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

PANCREAS, ABERRANT

[ABERRANT PANCREAS IN MECKELS DIVERTICULUM] Smirnov EA *Arkh Patol* 37: 71-2, 1975 (Rus)

PANCREAS, ENDOCRINE

[LIGHT- AND ELECTRON MICROSCOPY STUDIES OF STRUCTURAL CHANGES WITHIN THE EXO- AND ENDOCRINE PANCREAS OF THE ALBINO RAT IN 2-, 3-, 4-, AND 6-WEEK-LONG BI-AVITAMINOSIS] Fallier A *Verh Anat Ges* 68: 621-39, 1974 (Ger)

PANCREAS, GUINEA PIG

[THE EFFECT OF RASTINON ON THE BETA CELLS OF THE RAT AND GUINEA PIG PANCREAS] Ogneva V *Eksp Med Morfol* 12: 92-7, 1973 (Bul)

PANCREAS, RAT

INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS. II. Grodsky GM, Fanska R, Lundquist I *Endocrinology* 97: 573-80, Sep 75 (Eng)

LETTER: IMMUNOHISTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN THE RAT PANCREAS. Pelletier G, Leclerc R, Arimura A, Schally AV *J Histochem Cytochem* 23: 699-702, Sep 75 (Eng)

[STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL.) Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)

Diabetes Literature—Keyword Index

PANCREAS RESECTION

PANCREAS RESECTION

[LETTER: INDICATIONS FOR PANCREAS RESECTION] Buentz H *Munch Med Wochenschr* 117: 1438, 5 Sep 75 (Ger)

PANCREAS TRANSPLANTATION, EXPERIMENTAL

EXPERIMENTAL PANCREAS TRANSPLANTATION. Bornemisz G, Furka I, Gyurko G, Szentkereszty B, Miko I *Acta Chir Acad Sci Hung* 15: 343-52, 1974 (Eng)

PANCREATECTOMIZED DOG

MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PANCREATECTOMIZED DOG. Coleman B, Kallal JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)

PANCREATECTOMY

[EXPERIMENTAL PREDIABETES AND LATENT DIABETES IN RATS FOR A 1-YEAR-PERIOD AFTER PANCREATECTOMY AD D.CHOLEDOLCHUM] Korec R *Cesk Fysiol* 24: 331-5, 1975 (Slo)

[EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PANCREATECTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Rietti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labruno B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

PANCREATIC DISEASE

EFFECTS OF MEDIUM CHAIN TRIGLYCERIDES ON PORTAL AND ARTERIAL LEVELS OF INSULIN, FFA AND GLUCOSE IN PATIENTS WITH PANCREATIC DISEASE. Rojdmarm S *Acta Med Scand* 198: 123-6, Jul-Aug 75 (Eng)

PANCREATIC FUNCTION

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION. INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Esp* 138: 321-6, 31 Aug 75 (Spa)

PANCREATIC ISLET

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

UPTAKE OF LABELLED-N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS. Wilander E, Tjalve H *Virchows Arch [Pathol Anat]* 367: 27-33, 23 Jun 75 (Eng)

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellstrom C, Johansson O, Luft R, Arimura A

Acta Endocrinol [Suppl] (Kbh) 80: 5-41, 1975 (Eng)

PANCREATIC ISLET, CHINESE HAMSTER

SPECIFIC UPTAKE OF LABELLED N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS OF CHINESE HAMSTERS. Tjalve H, Wilander E *Experientia* 31: 1061-2, 15 SEP 75 (Eng)

PANCREATIC ISLET, HUMAN

[ULTRASTRUCTURE OF THE SECRETORY CELLS OF THE PANCREATIC ISLETS IN HUMAN FETUSES] Puzyrev AA *Tsitologiya* 17: 1027-31, Sep 75 (Rus)

PANCREATIC ISLET, RAT

THE EFFECTS OF D- AND L-GLYCERALDEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

PANCREATIC JUICE

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

PANCREATITIS, CHRONIC

CHRONIC PANCREATITIS IN CHILDHOOD ASSOCIATED WITH MUMPS VIRUS INFECTION. Wood CB, Bradbrook RA, Blumgart LH *Br J Clin Pract* 28: 67-9, Feb 74 (Eng)

PANETH CELL

EFFECTS OF GLUCAGON AND INSULIN ON THE PANETH CELLS OF THE MOUSE DUODENUM. Ahonen A, Penttila A *Experientia* 31: 1074-5, 15 SEP 75 (Eng)

PAFAVERINE

THE ABSENCE OF STIMULATION OF LIPOLYSIS BY PAPAVERINE, A STRONG INHIBITOR OF PHOSPHODIESTERASE. Hynie S, Wenke M *Eur J Pharmacol* 30: 230-7, Feb 75 (Eng)

PARAFOLLICULAR CELL, THYROID

RELATIONSHIP BETWEEN THE THYROID PARAFOLLICULAR CELLS AND PITUITARY GLAND. Kameda Y *Arch Histol Jpn* 37: 225-44, Nov 74 (Eng)

PARALYSIS, PERIODIC

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

PARATHYROID HORMONE

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

CELLULAR CONTROL OF CALCIUM MOVEMENTS IN BONE. INTERRELATIONSHIPS OF THE BONE MEMBRANE, PARATHYROID HORMONE AND ALKALINE PHOSPHATASE. Ramp WK *Clin Orthop* 311-22, Jan-Feb 75 (Eng)

PATHOPHYSIOLOGY REVIEW

[NEONATAL HYPOGLYCEMIA. A REVIEW ON PATHOPHYSIOLOGY, CLINICAL ASPECTS AND TREATMENT (AUTHORS TRANSL)] Bossi E *Praxis* 64: 1214-9, 23 Sep 75 (Ger)

PEDIATRICIAN

CHILDHOOD AND DIET AS RELATED TO ATHEROSCLEROSIS. CAN THE PEDIATRICIAN HELP PROTECT AGAINST ADULT CORONARY ARTERY DISEASE. Laird WP *Clin Pediatr (Phila)* 14: 485-6, 491-4, May 75 (Eng)

PEDIATRICS REVIEW

[SHORT REVIEW OF THE RESULTS OF SCIENTIFIC STUDIES IN PEDIATRICS IN 1972] Efimova AA, Sagulka VV, Vintovkina IS, Shliakhtina SE *Pediatr* 58-64, Jan 74 (Rus)

PELLETED FEEDING, HORSE

[RELATIONSHIP BETWEEN THE HEALTH OF HORSES AND FEEDING RATIONS CONSISTING OF PELLETED CONCENTRATIONS ALONE. II. CLINICO-CHEMICAL EXAMINATION OF THE BLOOD (AUTHORS TRANSL)] Bouwman H, Schotman AJ *Tijdschr Diergeneesk* 100: 138-45, 1 Feb 75 (Dut)

PEMPHIGUS

[RESULTS OF THE TREATMENT OF PATIENTS WITH PEMPHIGUS] Balavichene G *Vestn Dermatol Venerol* 66-9, Aug 75 (Rus)

PENICILLIN

THE REACTION OF PENICILLIN WITH PROTEINS. Cotran PH, Waley SG *Biochem J* 149: 357-64, Aug 75 (Eng)

PENICILLOPEPSIN CATALYSED

ACYL INTERMEDIATES IN PENICILLOPEPSIN-CATALYSED REACTIONS AND A DISCUSSION OF THE MECHANISM OF ACTION OF PEPISINS. Takahashi M, Hofmann T *Biochem J* 147: 549-63, Jun 75 (Eng)

PENTAERYTHRITOL TETRANICOTINATE

SUBACUTE ADMINISTRATION OF PENTAERYTHRITOL TETRANICOTINATE (PERYCIT) TO MAN. Harthorn L, Svedmyr N *Atherosclerosis* 20: 65-8, Jul-Aug 74 (Eng)

DES-PENTAPEPTIDE

[B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN BY PEPSIN, I-PREPARATION AND PROPERTIES OF BOVINE DES-PENTAPEPTIDE (B26-30) INSULIN (AUTHORS TRANSL)] Gattner HG *Hoppe Seyler's Z Physiol Chem* 356: 1397-404, Sep 75 (Ger)

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEPSIN, II. PREPARATION

Diabetes Literature—Keyword Index

PHOSPHATIDYL CHOLINE

FAREWELL TO PHENFORMIN FOR TREATING DIABETES MELLITUS. Williams RH, Palmer JP *Ann Intern Med* 83: 567-8, Oct 75 (Eng)

PHENTOLAMINE, ALPHA ADRENOLYTIC

BIPHASIC EFFECT OF THE ALPHA-ADRENOLYTIC PHENTOLAMINE ON HORMONE-STIMULATED FORMATION OF CYCLIC ADENOSINE-3,5-MONOPHOSPHATE IN ISOLATED FAT CELLS OF RATS. Stock K, Thomas T *Metabolism* 24: 277-86, Mar 75 (Eng)

PHENYTOIN

[ACTION OF PHENYTOIN ON GLYCOREGULATION] Hazard J, Perlemuter L *Nouv Presse Med* 4: 2263-5, 27 Sep 75 (Fre)

PHEOCHROMOCYTOMA

[VENTRICULAR ARRHYTHMIA DURING GLUCAGON TEST FOR PHEOCHROMOCYTOMA] Shasha SM, Better OS *Harefuah* 89: 256-7, 16 Sep 75 (Heb)

[INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA] Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sanmartin P, Acosta M, Cerdan Vallejo A *Rev Clin Esp* 138: 425-32, 15 Sep 75 (Spa)

PHOSPHATE

ATP- AND PHOSPHATE-INDUCED CONFIGURATIONAL CHANGES OF SUBMITOCHONDRIAL PARTICLES. Lundberg P *Biochim Biophys Acta* 376: 458-69, 20 Mar 75 (Eng)

PHOSPHATE CONVERTING ENZYME

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE YASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)

PHOSPHATE EFFECT

THE EFFECTS OF PHOSPHATE AND ELECTRON TRANSPORT ON THE CARBONYL CYANIDE M-CHLOROPHENYLHYDRAZONE-INDUCED ATPASE OF RAT-LIVER MITOCHONDRIA. Bertina RM, Slater EC *Biochim Biophys Acta* 376: 492-504, 20 Mar 75 (Eng)

PHOSPHATE, INORGANIC

[VALUES OF GLUCOSE, POTASSIUM AND INORGANIC PHOSPHATE AS METABOLIC INDICATORS OF MYOCARDIAL ISCHEMIA IN HUMANS] Dagenais GR, Marquis Y, Moisan A *Arch Mal Coeur* 68: 169-77, Feb 75 (Fre)

PHOSPHATE POTENTIAL

MITOCHONDRIAL OXYGEN AFFINITY AS A FUNCTION OF REDOX AND PHOSPHATE POTENTIALS. Bienfait HF, Jacobs JM, Slater EC *Biochim Biophys Acta* 376: 446-57, 20 Mar 75 (Eng)

PHOSPHATIDYL CHOLINE

USE OF PHOSPHOLIPID EXCHANGE PROTEIN TO MEASURE INSIDE-OUTSIDE TRANSPORT IN PHOSPHATIDYLCHOLINE LIPOSOMES. Johnson LW, Hughes ME, Zilver-

AND PROPERTIES OF CAMEL DES-PENTAPEPTIDE (B26-30)- AND DES-PHEBI-DESPENTAPEPTIDE (B26-30)- INSULIN. Danho WO, Gattner HG, Nissen D, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1405-12, Sep 75 (Eng)

PENTOSE CYCLE

THE INFLUENCE OF RADIOPROTECTIVE SUBSTANCES ON THE PENTOSE CYCLE. Kummel L, Sonka J *Aggressologie* 15: 253-60, 1974 (Eng)

PEPSIN

[B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN BY PEPSIN, I-PREPARATION AND PROPERTIES OF BOVINE DES-PENTAPEPTIDE (B26-30)- INSULIN (SUTHORS TRANSL)] Gattner HG *Hoppe Seylers Z Physiol Chem* 356: 1397-404, Sep 75 (Ger)

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEPSIN, II. PREPARATION AND PROPERTIES OF CAMEL DES-PENTAPEPTIDE (B26-30)- AND DES-PHEBI-DESPENTAPEPTIDE (B26-30)- INSULIN. Danho WO, Gattner HG, Nissen D, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1405-12, Sep 75 (Eng)

ACYL INTERMEDIATES IN PENICILLOPEPSIN-CATALYSED REACTIONS AND A DISCUSSION OF THE MECHANISM OF ACTION OF PEPISINS. Takahashi M, Hofmann T *Biochem J* 147: 549-63, Jun 75 (Eng)

PEPTIDE

ACTIONS OF GASTROINTESTINAL HORMONES AND RELATED PEPTIDES ON THE MOTOR FUNCTION OF THE BILIARY TRACT. Lin TM *Gastroenterology* 69: 1006-22, Oct 75 (Eng) [137]

STUDIES ON POLYPEPTIDES, VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Heding LG, Larsen UD *Hoppe Seylers Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

PEPTIDE, BASIC

STUDIES ON FORMATION OF COMPLEXES OF INSULIN WITH BASIC PEPTIDES ISOLATED FROM THE PLASMA OF UREMIC PATIENTS. Lutz W *Acta Med Pol* 16: 159-70, 1975 (Eng)

PEPTIDE HORMONE

[STUDIES ON RADIOIMMUNOASSAY OF PEPTIDE HORMONE USING POLYETHYLENEGLYCOL. PART I. INSULIN (AUTHORS TRANSL)] Kihara A, Kikuchi A, Yaegashi T, Oara H *Jpn J Clin Pathol* 23: 449-52, Jun 75 (Jpn)

GENERAL CONSIDERATIONS FOR RADIOIMMUNOASSAY OF PEPTIDE HORMONES. Orth DN *Methods Enzymol* 37 pt b: 22-38, 1975 (Eng)

METHODS FOR ASSESSING IMMUNOLOGICAL AND BIOLOGICAL PROPERTIES OF IODINATED PEPTIDE HORMONES. Roth J *Methods Enzymol* 37 pt b: 223-33, 1975 (Eng)

C-PEPTIDE IMMUNOREACTIVITY

DEMONSTRATION OF C-PEPTIDE IMMUNOREACTIVITY IN VARIOUS BODY FLUIDS AND CLINICAL EVALUATION OF THE DETERMINATION OF URINARY C-PEPTIDE IMMUNOREACTIVITY. Kaneko T, Munemura

M, Oka H, Oda T, Suzuki S *Endocrinol Jpn* 22: 207-12, Jun 75 (Eng)

PERHEXILLINE

[LETTER: HYPOGLYCEMIA AND PERHEXILLINE] Feldman G *Nouv Presse Med* 3: 2580, 30 Nov-14 Dec 74 (Fre)

PERIODICITY

FACTORS INFLUENCING THE CIRCADIAN PERIODICITY OF PLASMA CORTICOSTEROID LEVELS. Krieger DT *Chronobiologia* 1: 195-216, Apr-Jun 74 (Eng) [100]

PERIPHERAL METABOLISM

THE EFFECT OF FOOD DEPRIVATION OF THE PERIPHERAL METABOLISM OF THYROIDINE IN RATS. Ingbar DH, Galton VA *Endocrinology* 96: 1525-32, Jun 75 (Eng)

PERIPHERAL NERVE

AMINO ACID TRANSPORT IN PERIPHERAL NERVE: ENERGY AND SODIUM DEPENDENCE. Wheeler DD *J Neurochem* 24: 1197-202, Jun 75 (Eng)

PERIPHERAL NERVE, RAT

EFFECTS OF ENERGY DEPRIVATION ON WALLERIAN DEGENERATION IN ISOLATED SEGMENTS OF RAT PERIPHERAL NERVE. Schlaepfer WW *Brain Res* 78: 71-81, 20 Sep 74 (Eng)

PERMEABILITY

MICROVASCULAR PERMEABILITY TO PLASMA PROTEINS IN HYPERTENSION AND DIABETES MELLITUS IN MAN--ON THE PATHOGENESIS OF HYPERTENSIVE AND DIABETIC MICROANGIOPATHY. Parving HH *Dan Med Bull* 22: 217-33, Sep 75 (Eng)

PERNICIOUS ANEMIA

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

PHASE, EARLY

[PROCEEDINGS: HYPERGLYCEMIA IN THE EARLY PHASE OF ALLOXAN ADMINISTRATION AND SYMPATHETIC NERVE INTERRUPTION] Yasumitsu C, Matsuoka Y, Tanaka I *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Jpn)

PHASE TRANSITION

FLUIDITY AND PHASE TRANSITIONS OF CELL MEMBRANES. Chapman D *Biomembranes* 7: 1-9, 1975 (Eng) [42]

PHENFORMIN

EDITORIAL: PHENFORMIN AND HYPERTENSION. Anonymous *Br Med J* 3: 724-5, 27 Sep 75 (Eng)

[PHENFORMIN, KIDNEY INSUFFICIENCY AND LACTIC ACIDOSIS] Marowski B *Theor Ggw* 113: 1706-26, Oct 74 (Ger)

PHENFORMIN AND ETHYLOESTRENOL IN RECURRENT VENOUS THROMBOSIS. Nilsson IM, Hedner U, Isacson S *Acta Med Scand* 198: 107-13, Jul-Aug 75 (Eng)

Diabetes Literature—Keyword Index

PHOSPHODIESTERASE

- smit DB *Biochim Biophys Acta* 375: 176-85, 28 Jan 75 (Eng)
- EFFECTS OF DIET AND TYPE IIA HYPERLIPOPROTEINEMIA UPON STRUCTURE OF TRIACYLGLYCEROLS AND PHOSPHATIDYL CHOLINES FROM HUMAN PLASMA LIPOPROTEINS. Gordon DT, Pitas RE, Jensen RG *Lipids* 10: 270-83, May 75 (Eng)

PHOSPHODIESTERASE

- INSULIN-SENSITIVE PHOSPHODIESTERASE. ITS LOCALIZATION, HORMONAL STIMULATION, AND OXIDATIVE STABILIZATION. Kono T, Robinson FW, Sarver JA *J Biol Chem* 250: 7826-35, 10 Oct 75 (Eng)
- THE ABSENCE OF STIMULATION OF LIPOLYSIS BY PAPAVERINE, A STRONG INHIBITOR OF PHOSPHODIESTERASE. Hynie S, Wenke M *Eur J Pharmacol* 30: 230-7, Feb 75 (Eng)

PHOSPHODIESTERASE, CYCLIC NUCLEOTIDE

- CYCLIC NUCLEOTIDE PHOSPHODIESTERASE ACTIVITIES OF PIG CORONARY ARTERIES. Wells JN, Baird CE, Wu YJ, Hardman JG *Biochim Biophys Acta* 384: 430-42, 19 Apr 75 (Eng)

PHOSPHOENOLPYRUVATE

- PREPARATION OF PHOSPHOENOLPYRUVATE AND PYRUVATE SPECIFICALLY LABELED WITH DEUTERIUM AND TRITIUM. Rose IA *Methods Enzymol* 41: 110-5, 1975 (Eng)

PHOSPHOFRUCTOKINASE

- A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES. Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)
- ATP-SENSITIVE AND ATP-INSENSITIVE PHOSPHOFRUCTOKINASE IN *ESCHERICHIA COLI* K-12. Doelle HW *Eur J Biochem* 50: 335-42, 2 Jan 75 (Eng)

PHOSPHOLIPASE A EFFECT

- EFFECT OF PHOSPHOLIPASE A ON THE STRUCTURE AND FUNCTIONS OF MEMBRANE VESICLES FROM MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3690-8, 25 May 75 (Eng)
- EFFECT OF PHOSPHOLIPASE A ON ACTIVE TRANSPORT OF AMINO ACIDS WITH MEMBRANE VESICLES OF MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3699-703, 25 May 75 (Eng)

PHOSPHOLIPID

- BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)
- [TURNOVER OF NEUTRAL LIPIDS AND PHOSPHOLIPIDS IN RAT LIVER MITOCHONDRIA] Medli FM, Landriscina C, Quagliariello E *Bull Soc Ital Biol Sper* 50: 1324-8, 15 Sep 74 (Ita)
- CATALYTIC PROPERTIES OF PHOSPHOLIPID EXCHANGE PROTEIN FROM BOVINE HEART. Johnson LW, Zilvermit DB *Biochim Biophys Acta* 375: 165-75, 28 Jan 75 (Eng)

- USE OF PHOSPHOLIPID EXCHANGE PROTEIN TO MEASURE INSIDE-OUTSIDE TRANSPORT IN PHOSPHATIDYLCHOLINE LIPOSOMES. Johnson LW, Hughes ME, Zilvermit DB *Biochim Biophys Acta* 375: 176-85, 28 Jan 75 (Eng)

- ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

- BILAYER STRUCTURE IN PHOSPHOLIPID-CYTOCHROME C MODEL MEMBRANES. Shui-Pong-Van, Griffith OH *J Membr Biol* 20: 155-70, 1975 (Eng)

PHOSPHOLIPID, INTERVESICULAR

- INTERVESICULAR PHOSPHOLIPID EXCHANGE. AN NMR STUDY. Barsukov LI, Shapiro YE, Viktorov AV, Volkova VI, Bystror VF, Bergelson LD *Chem Phys Lipids* 14: 211-26, May 75 (Eng)

PHOSPHOLIPID SYNTHESIS

- METHODS FOR ASSESSING HORMONE (TSH) EFFECTS ON GLUCOSE OXIDATION AND PHOSPHOLIPID SYNTHESIS. Field JB *Methods Enzymol* 37 pt B: 262-8, 1975 (Eng)

PHOSPHORFUCTOKINASE ELEVATION

- ELEVATION OF ARTERIAL PHOSPHORFUCTOKINASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zemlenyl T, Rosenstein AJ *Atherosclerosis* 21: 167-77, Mar-Apr 75 (Eng)

PHOSPHORYLASE

- ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Ui M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

PHOSPHORYLASE B

- A STUDY OF THE MECHANISM OF ACTION OF PHOSPHORYLASE B USING ISOTOPE-LABELLED SUBSTRATES. Firsov LM, Bogacheva TI, Bresler SE *Mol Biol* 8: 454-60, Jan 75 (Eng)

PHOSPHORYLASE KINASE

- CONTROL OF PLATELET GLYCOGENOLYSIS: ACTIVATION OF PHOSPHORYLASE KINASE BY CALCIUM. Gear AR, Schneider W *Biochim Biophys Acta* 392: 111-20, 5 May 75 (Eng)

PHOTOCOAGULATION

- TREATMENT OF DIABETIC RETINOPATHY WITH PHOTOCOAGULATION AT ADVANCED AGE. Riaskoff S *Ophthalmologica* 171: 309-11, 1975 (Eng)
- VARIATION OF ENERGY DENSITY IN ARGON LASER PHOTOCOAGULATION. Pomerantzeff O, Schepens CL *Arch Ophthalmol* 93: 1033-5, Oct 75 (Eng)

PHYSICAL DEVELOPMENT

- [THE PHYSICAL DEVELOPMENT OF NEWBORN INFANTS AND THE FREE AMINO

- ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Panfirov VV *Pediatr Akush Ginekol* 43-6, Mar-Apr 75 (Ukr)

PIG, YOUNG

- THE ABSORPTION OF GLUCOSE FROM THE GUT AND THE AMOUNT REMOVED BY THE LIVER IN YOUNG PIGS. Anderson DM, Northrop AJ *Proc Nutr Soc* 33: 91a, Dec 74 (Eng)

PIGLET

- [THE EFFECT OF INCREASED ADRENOCORTICAL SECRETION ON BLOOD GLUCOSE LEVELS IN PIGLETS] Raszyk J *Vet Med (Praha)* 19: 60-7, Oct 74 (Cze)

PITUITARY

- RELEASE OF GROWTH HORMONE FROM OX PITUITARY SLICES AFTER PRONASE TREATMENT. Schofield JG, Orci L *J Cell Biol* 65: 223-7, Apr 75 (Eng)

PITUITARY ADRENAL AXIS

- CLOBETASONE BUTYRATE, A NEW TOPICAL CORTICOSTEROID: CLINICAL ACTIVITY AND EFFECTS ON PITUITARY-ADRENAL AXIS FUNCTION AND MODEL OF EPIDERMAL ATROPHY. Munro DD, Wilson L *Br Med J* 3: 626-8, 13 Sep 75 (Eng)

PITUITARY ADRENOCORTICAL SYSTEM

- [THE FUNCTIONAL STATE OF THE SYMPATHETIC-ADRENAL AND PITUITARY-ADRENOCORTICAL SYSTEMS DURING CHRONIC NEURO-EMOTIONAL STRESS] Belova TA, Vasilev VN *Probl Endokrinol (Mosk)* 21: 27-32, Mar-Apr 75 (Rus)

PITUITARY, ANTERIOR

- STIMULATION OF CYCLIC AMP FORMATION IN THE ANTERIOR PITUITARY BY 11-DEOXYPROSTAGLANDINS AND THEIR ANALOGUES. Lippmann W *Pharmacol Res Commun* 6: 595-601, Dec 74 (Eng)

PITUITARY FUNCTION

- PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)

PITUITARY FUNCTION TEST

- MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiumello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

PITUITARY GLAND

- RELATIONSHIP BETWEEN THE THYROID PARAFOLLICULAR CELLS AND PITUITARY GLAND. Kameda Y *Arch Histol Jpn* 37: 225-44, Nov 74 (Eng)

PITUITARY GROWTH HORMONE, HUMAN

- THE CHEMISTRY OF HUMAN PITUITARY GROWTH HORMONE. Bewley TA, Li CH *Adv Enzymol* 42: 73-166, 1975 (Eng) [169]
- HUMAN PITUITARY GROWTH HORMONE: IMMUNOCHEMICAL INVESTIGATIONS OF BIOLOGICALLY ACTIVE FRAGMENTS.

Clarke WC, Hayashida T, Li CH *Arch Biochem Biophys* 164: 571-4, Oct 74 (Eng)

PITUITARY HORMONE

IN VITRO LIPOLYTIC EFFECT OF BOVINE PITUITARY DIABETOGENIC PROTEIN. Tutwiler GF *Biochim Biophys Acta* 404: 18-29, 8 Sep 75 (Eng)

IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOPHYSIOTROPIC SUBSTANCES. Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)

PITUITARY HORMONE, ANTERIOR

ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY. Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)

PURIFICATION OF ANTERIOR PITUITARY HORMONES (OVINE, BOVINE, RAT, RABBIT). Reichert LE Jr *Methods Enzymol* 37 pt b: 360-80, 1975 (Eng)

PITUITARY, RAT

BIOACTIVE AND IMMUNOACTIVE ACTH IN THE RAT PITUITARY: INFLUENCE OF STRESS AND ADRENALECTOMY. Moriarty CM, Moriarty GC *Endocrinology* 96: 1419-25, Jun 75 (Eng)

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

PITUITARY, RAT ANTERIOR

CHARACTERISTICS OF ACTION OF PROSTAGLANDINS ON CYCLIC AMP ACCUMULATION IN RAT ANTERIOR PITUITARY GLAND. Borgeat P, Labrie F, Garneau P *Can J Biochem* 53: 455-60, Apr 75 (Eng)

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

PLACENTA, HUMAN

MITOCHONDRIA FROM HUMAN TERM PLACENTA. I. ISOLATION AND ASSAY CONDITIONS FOR OXIDATIVE PHOSPHORYLATION. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 426-35, 20 Mar 75 (Eng)

MITOCHONDRIA FROM HUMAN TERM PLACENTA. II. CHARACTERIZATION OF RESPIRATORY PATHWAYS AND COUPLING MECHANISMS. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 436-45, 20 Mar 75 (Eng)

PLACENTAL LACTOGEN, HUMAN

LETTER: HUMAN PLACENTAL LACTOGEN IN MANAGEMENT OF DIABETIC PREGNANCY. Letchworth AT, Chard T *Lancet* 2: 230, 2 Aug 75 (Eng)

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)

PLACENTAL ORIGIN

POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)

PLACENTAL TRANSFER

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Filer LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

PLASMA CELL TUMOR

EFFECT OF INSULIN ON METABOLISM OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE BY PLASMA CELL TUMOR (MPC-11). Naseem SM, Hollander VP *Endocr Res Commun* 2: 251-9, 1975 (Eng)

PLASMA, HUMAN

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)

PLASMA, MATERNAL

EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST TWO MONTHS OF PREGNANCY. Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)

PLASTER CAST

[THE MECHANISM OF THE FAVORABLE EFFECT OF INSULIN ON STRIATE MUSCULATURE FOLLOWING REMOVAL OF PLASTER CASTS] Rusev G, Radev S, Nakov D, Dzirkolova T *Eksp Med Morfol* 11: 96-101, 1972 (Bul)

PLATELET AGGREGATION

EDITORIAL: PLATELET AGGREGATION. Vaisrub S *JAMA* 234: 417, 27 Oct 75 (Eng)

LETTER: FAT MOBILISATION AND PLATELET AGGREGATION. Vincent JE *Lancet* 1: 799-800, 5 Apr 75 (Eng)

PLATELET CONTROL

CONTROL OF PLATELET GLYCOGENOLYSIS; ACTIVATION OF PHOSPHORYLASE KINASE BY CALCIUM. Gear AR, Schneider W *Biochim Biophys Acta* 392: 111-20, 5 May 75 (Eng)

POLYADENOMATOSIS

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATICTOMY] Babinet JM, Labruune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fr)

POLYCLONAL EFFECT

EFFECT OF POLYCLONAL B-CELL ACTIVATORS ON DNA SYNTHESIS IN FIBROBLASTS. Persson U, Moller G *Scand J Immunol* 4: 527-34, Sep 75 (Eng)

POLYDIPSIA

DILUTIONAL HYPONATREMIA DUE TO DIAZOXIDE-PRODUCED POLYDIPSIA. Tang M, Falk JL *Pharmacol Biochem Behav* 3: 115-9, Jan-Feb 75 (Eng)

POLYETHYLENEGLYCOL

[STUDIES ON RADIOIMMUNOASSAY OF PEP-TIDE HORMONE USING POLYETHYLENEGLYCOL. PART 1. INSULIN (AUTHORS TRANSL)] Kihara A, Kikuchi A, Yacgashi T, Oara H *Jpn J Clin Pathol* 23: 449-52, Jun 75 (Jpn)

POLYMER FILM

A DIALYSIS APPARATUS FOR MEASURING PERMEATION RATES THROUGH POLYMER FILMS. Little CM, Osterhoudt HW *Ion Exch Membr* 1: 75-80, Dec 72 (Eng)

POLYMORPHISM

ENZYME POLYMORPHISM IN RAT-LIVER MICROSOMES AND PLASMA MEMBRANES. 1. AN IMMUNOCHEMICAL STUDY OF MULTIZYME COMPLEXES AND OTHER ENZYME-ACTIVE ANTIGENS. Blomberg F, Rafter M *Eur J Biochem* 49: 21-9, 1 Nov 74 (Eng)

POLYNEUROPATHY

[IMMUNOGLOBULIN G LEVEL IN THE SERUM OF PATIENTS WITH POLYNEUROPATHIES] Strelau K *Neurol Neurochir Pol* 9: 447-51, Jul-Aug 75 (Pol)

POLYPEPTIDE

STUDIES ON POLYPEPTIDES, VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Heding LG, Larsen UD *Hoppe Seyler's Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

POLYPEPTIDE HORMONE

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

TRITIUM LABELING OF AMINO ACIDS IN POLYPEPTIDE HORMONES. Hembree WC, Wolf AP, Ehrenkaufer RE, Lieberman S *Methods Enzymol* 37 pt b: 313-21, 1975 (Eng)

POLYSACCHARIDE EFFECT

[EFFECT OF THE MICROBIAL POLYSACCHARIDE, PROTEISANE, ON CERTAIN CARBOHYDRATES METABOLIC INDICES] Morozova Ela, Efimtseva EP, Berman AL *Antibiotiki* 19: 1009-11, Nov 74 (Rus)

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THE SPECIFIC BINDING OF INSULIN TO POLYTHENE AND OTHER MATERIALS. Cecil R, Robinson GB *Biochim Biophys Acta* 404: 164-8, 8 Sep 75 (Eng)

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[ACHILLEAN REFLEXOGRAM : ITS MEASUREMENT AND ITS CORRELATIONS WITH VARIOUS CLINICAL AND BIOLOGICAL FACTORS IN 2 WORKING MALE POPULATIONS] Kritsikis S, Ducimetiere P, Richard JL *Sem Hop Paris* 51: 2109-17, 10-20 Jul 75 (Fre)

CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrne JJ, White RJ *Comp Biochem Physiol [A]* 50: 709-15, 1 Apr 75 (Eng)

POPULATION, DIABETIC

GLUCOSE TOLERANCE AND THE DIABETIC POPULATION. Malins JM *Postgrad Med J* 50 SUPPL 3: 529-37, Aug 74 (Eng)

PORE

ION TRANSPORT THROUGH PORES: TRANSIENT PHENOMENA. Frehland E, Lauger P *J Theor Biol* 47: 189-207, Sep 74 (Eng)

PORTACAVAL ANASTOMOSIS, DOG

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DOSPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

POTASSIUM

TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY. Edmonds CJ, Jasani BM, Smith T *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES; Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

[VALUES OF GLUCOSE, POTASSIUM AND INORGANIC PHOSPHATE AS METABOLIC INDICATORS OF MYOCARDIAL ISCHEMIA IN HUMANS] Dagenais GR, Marquis Y, Moisan A *Arch Mal Coeur* 68: 169-77, Feb 75 (Fre)

POTASSIUM BALANCE

PLASMA ALDOSTERONE IN ANEPHRIC AND NON-NEPHRECTOMIZED DIALYSIS PATIENTS IN RELATION TO CHANGES IN PLASMA POTASSIUM WITHOUT CHANGE IN TOTAL POTASSIUM BALANCE. Olgaard K *Acta Med Scand* 198: 213-8, Sep 75 (Eng)

POTASSIUM ION

GLUCAGON-INDUCED CHANGES IN THE ACTION POTENTIAL, CONTRACTION, AND NA⁺-K⁺-ATPASE OF CARDIAC MUSCLE. Prasad K *Cardiovasc Res* 9: 355-65, May 75 (Eng)

POTASSIUM, PLASMA

PLASMA ALDOSTERONE IN ANEPHRIC AND NON-NEPHRECTOMIZED DIALYSIS PATIENTS IN RELATION TO CHANGES IN PLASMA POTASSIUM WITHOUT CHANGE IN TOTAL POTASSIUM BALANCE. Olgaard K *Acta Med Scand* 198: 213-8, Sep 75 (Eng)

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)

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[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geithovell W, Niedergerke U, Morgner KD, Willms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

PRECURSOR

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

PREDIABETES

[EXPERIMENTAL PREDIABETES AND LATENT DIABETES IN RATS FOR A 1-YEAR-PERIOD AFTER PANCREATCTOMY AD D.CHOLEDOLCHUM] Korec R *Cesk Fysiol* 24: 331-5, 1975 (Slo)

PREGNANCY

UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybulski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)

[PREGNANCY AS A TRIGGER IN LATENT DISEASE] Tervila L *Duodecim* 91: 640-2, 1975 (Fin)

EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL)] Engelhardt W, Schreiber MA, Elker H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)

PREGNANCY, DIABETIC

[MANAGEMENT OF PREGNANT DIABETIC PATIENT WITH HIGH RISK PREGNANCY] Arevalo Toledo N, Jimenez Fonseca J, Gonzalez y Gonzalez L, Chavez Hernandez F, Alvarez de la Cadena O, Noriega Guerra L *Ginecol Obstet Mex* 37: 311-21, Jun 75 (Spa)

[USE OF TOLBUTAMIDE IN DIABETES AND PREGNANCY] Villanueva Gasca A, Maria Garcia L, Lopez Villegas J, Nunez E *Ginecol Obstet Mex* 38: 133-7, Aug 75 (Spa)

LETTER: HUMAN PLACENTAL LACTOGEN IN MANAGEMENT OF DIABETIC PREGNANCY.

Letchworth AT, Chard T *Lancet* 2: 230, 2 Aug 75 (Eng)

HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)

PREGNANCY, EWE

EFFECT OF UNDERNUTRITION ON NITROGEN METABOLISM IN THE PREGNANT EWE. Guada JA, Robinson JJ *Proc Nutr Soc* 33: 84a-85a, Dec 74 (Eng)

EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST TWO MONTHS OF PREGNANCY. Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)

PREGNANCY, HUMAN

METABOLISM OF PROSTAGLANDIN F₂ALPHA WITHIN THE HUMAN UTERUS IN EARLY PREGNANCY. Keirse MJ, Williamson JG, Turnbull AC *Br J Obstet Gynaecol* 82: 142-5, Feb 75 (Eng)

POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)

PRESSURE

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

PRESSURE EFFECT

THE EFFECT OF PRESSURE AND THE VOLUME OF ACTIVATION ON THE MONOVALENT CATION AND GLUCOSE PERMEABILITIES OF LIPOSOMES OF VARYING COMPOSITION. Johnson SM, Miller KW *Biochim Biophys Acta* 375: 286-91, 28 Jan 75 (Eng)

PRIMATE

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Filer LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

PRIMATE, NONHUMAN

METABOLISM OF LIPOPROTEINS IN NONHUMAN PRIMATES. STUDIES ON THE ORIGIN OF LOW DENSITY LIPOPROTEIN APOPROTEIN IN THE PLASMA OF THE SQUIRREL MONKEY. Illingworth DR *Biochim Biophys Acta* 388: 38-51, 18 Apr 75 (Eng)

PROCAINE HYDROCHLORIC ACID EFFECT

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kisebah AH, Clarke P, Vydellingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

PROGESTERONE

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spelacy WN, Conly PW, Cleveland WW, Buhl WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

PROGESTERONE EFFECT

THE EFFECT OF PROGESTERONE ON MONOVALENT CATION TRANSPORT INTO THE MITOCHONDRION. Swierczynski J, Aleksandrowicz Z, Celewski L *Physiol Chem Phys* 5: 37-42, 1973 (Eng)

PROINSULIN, HUMAN

STUDIES ON POLYPEPTIDES, VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Heding LG, Larsen UD *Hoppe Seylers Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

PROINSULIN SECRETION

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

PROLACTIN

CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN. Topper YJ, Vonderhaar BK, Wilchek M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, ONCORHYNCHUS NERKA. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol* [A] 47: 821-8, 1 Mar 74 (Eng)

PROLACTIN EFFECT

EFFECT OF PROLACTIN ON LIPOPROTEIN LIPASE IN CROP SAC AND ADIPOSE TISSUE OF PIGEONS. Garrison MM, Scow RO *Am J Physiol* 228: 1542-4, May 75 (Eng)

PRONASE

RELEASE OF GROWTH HORMONE FROM OX PITUITARY SLICES AFTER PRONASE TREATMENT. Schofield JG, Orci L *J Cell Biol* 65: 223-7, Apr 75 (Eng)

PRONETHALOL

PLASMA ADRENALINE CONCENTRATIONS IN RATS: INFLUENCE OF ANAESTHETICS AND HEART RATE RESPONSE TO PRONETHALOL. Dean HG, Rylett PA *J Pharm Pharmacol* 27: 70-1, Jan 75 (Eng)

PROPRANOLOL

STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPRANOLOL. Marshall NJ, Von Borecke S, Malan PG *Endocrinology* 96: 1513-9, Jun 75 (Eng)

PROSTAGLANDIN

CHARACTERISTICS OF ACTION OF PROSTAGLANDINS ON CYCLIC AMP ACCUMULATION IN RAT ANTERIOR PITUITARY GLAND. Borgeat P, Labrie F, Garneau P *Can J Biochem* 53: 455-60, Apr 75 (Eng)

INDOMETHACIN AND THE ROLE OF PROSTAGLANDINS IN ADIPOSE TISSUE. Fredholm BB, Hedqvist P *Biochem Pharmacol* 24: 61-6, 1 Jan 75 (Eng)

PROSTAGLANDIN EFFECT

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

PROSTAGLANDIN F2ALPHA

INITIATION OF CELL PROLIFERATION IN CULTURED MOUSE FIBROBLASTS BY PROSTAGLANDIN F2ALPHA. De Asua LJ, Clingan D, Rudland PS *Proc Natl Acad Sci USA* 72: 2724-8, Jul 75 (Eng)

METABOLISM OF PROSTAGLANDIN F2ALPHA WITHIN THE HUMAN UTERUS IN EARLY PREGNANCY. Keirse MJ, Williamson JG, Turnbull AC *Br J Obstet Gynaecol* 82: 142-5, Feb 75 (Eng)

PROTEASE, INSULIN SPECIFIC

DEGRADATION OF INSULIN IN SERUM BY INSULIN-SPECIFIC PROTEASE. Starr JL, Juhn DD, Rubenstein AH *J Lab Clin Med* 86: 631-7, Oct 75 (Eng)

PROTEASE, INTRACELLULAR

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

PROTEIN

THE REACTION OF PENICILLIN WITH PROTEINS. Corran PH, Waley SG *Biochem J* 149: 357-64, Aug 75 (Eng)

CATALYTIC PROPERTIES OF PHOSPHOLIPID EXCHANGE PROTEIN FROM BOVINE HEART. Johnson LW, Zilversmit DB *Biochim Biophys Acta* 375: 165-75, 28 Jan 75 (Eng)

USE OF PHOSPHOLIPID EXCHANGE PROTEIN TO MEASURE INSIDE-OUTSIDE TRANSPORT IN PHOSPHATIDYLCHOLINE LIPOSOMES. Johnson LW, Hughes ME, Zilversmit DB *Biochim Biophys Acta* 375: 176-85, 28 Jan 75 (Eng)

EFFECT OF DIETARY PROTEIN AND CHOLESTEROL ON ATHEROSCLEROSIS IN SWINE. Gupta PP, Tandon HD, Ramalingaswami V *Exp Mol Pathol* 22: 305-16, Jun 75 (Eng)

PROTEIN CONTENT

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficara AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

PROTON CARRYING

PROTEIN FEEDING

THE LOCALIZATION OF ALKALINE PHOSPHATASE ACTIVITY IN THE RAT SMALL INTESTINAL EPITHELIUM AFTER FAT AND PROTEIN FEEDING. Ono K *Acta Histochem (Jena)* 51: 124-37, 1974 (Eng)

PROTEIN HORMONE

PROTEIN HORMONES IN GYNECOLOGY: BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS. Strickler RC *Obstet Gynecol Surv* 30: 289-303, May 75 (Eng) [182]

PROTEIN KINASE

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. I. GTP AS NUCLEOTIDE SUBSTRATE FOR HISTONE PHOSPHORYLATION. Skala JP, Knight BL *Biochim Biophys Acta* 385: 114-23, 14 Mar 75 (Eng)

PROTEIN METABOLISM

PROTEIN METABOLISM IN URAEMIA. Richards P *Nephron* 14: 134-52, 1975 (Eng) [69]

PROTEIN, PLASMA

MICROVASCULAR PERMEABILITY TO PLASMA PROTEINS IN HYPERTENSION AND DIABETES MELLITUS IN MAN—ON THE PATHOGENESIS OF HYPERTENSIVE AND DIABETIC MICROANGIOPATHY. Parving HH *Dan Med Bull* 22: 217-33, Sep 75 (Eng)

PROTEIN SPARING EFFECT

GLYCEROL: MAJOR CONTRIBUTOR TO THE SHORT TERM PROTEIN SPARING EFFECT OF FAT EMULSIONS IN NORMAL MAN. Brennan MF, Fitzpatrick GF, Cohen KH, Moore FD *Ann Surg* 182: 386-94, Oct 75 (Eng)

PROTEIN SUBSTRATE

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. II. TWO SOLUBLE KINASE ACTIVITIES AND THEIR AFFINITIES FOR NUCLEOTIDE AND PROTEIN SUBSTRATES. Knight BL, Skala JP *Biochim Biophys Acta* 385: 124-32, 14 Mar 75 (Eng)

PROTEIN SYNTHESIS

EARLY CELLULAR RESPONSES TO DIVERSE GROWTH STIMULI INDEPENDENT OF PROTEIN AND RNA SYNTHESIS. Rubin H, Koide T *J Cell Physiol* 86: 47-58, Aug 75 (Eng)

PROTEISANE EFFECT

[EFFECT OF THE MICROBIAL POLYSACCHARIDE, PROTEISANE, ON CERTAIN CARBOHYDRATES METABOLIC INDICES] Morozova EA, Efimtseva EP, Berman AL *Antibiotiki* 19: 1009-11, Nov 74 (Rus)

PROTON CARRYING

MECHANISM OF ACTION OF AGENTS WHICH UNCOUPLE OXIDATIVE PHOSPHORYLATION: DIRECT CORRELATION BETWEEN PROTON-CARRYING AND RESPIRATORY-RELEASING PROPERTIES USING RAT LIVER MITOCHONDRIA. Cunarro J, Weiner MW *Biochim Biophys Acta* 387: 234-40, 15 May 75 (Eng)

Diabetes Literature—Keyword Index

PROTOZOA

PROTOZOA

EFFECT OF INSULIN ON THE GLUCOSE UPTAKE OF PROTOZOA. Csaba G, Lantos T *Experientia* 31: 1097-8, 15 SEP 75 (Eng)

PSYCHIATRIC THERAPY

[INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS] Certhoux J, Grandjean C, Colombo J, Le Devehat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)

PSYCHIATRY

[RELATION BETWEEN ENDOCRINOLOGY AND PSYCHIATRY. SOME RECENT DEVELOPMENTS] Bursztejn C *Nouv Presse Med* 4: 493-4, 496-9, 15 Feb 75 (Fre)

PSYCHOSOMATIC STUDY

DIABETES MELLITUS (A PSYCHOSOMATIC STUDY OF 147 CASES). Bagadia VN, Havaladar PP, Gada MT, Pradhan PV, Shah LP, Dhirawani MK *J Postgrad Med* 21: 17-29, Jan 75 (Eng)

PUBERTY

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)

PYLONEPHRITIC RAT

METABOLIC STUDIES IN THE PYLONEPHRITIC RAT. Davidson MB *Diabetes* 24: 881-91, Oct 75 (Eng)

PYRIDOXINE

LETTER: PYRIDOXINE AND OESTROGEN-INDUCED GLUCOSE INTOLERANCE. Cornish EJ, Tesoriero W *Br Med J* 3: 649-50, 13 Sep 75 (Eng)

PYRUVATE

ON THE MECHANISM OF TRANSLOCATION OF PYRUVATE AND OTHER MONOCARBOXYLIC ACIDS IN RAT-LIVER MITOCHONDRIA. Papa S, Paradies G *Eur J Biochem* 49: 265-74, 1 Nov 74 (Eng)

PREPARATION OF PHOSPHOENOLPYRUVATE AND PYRUVATE SPECIFICALLY LABELED WITH DEUTERIUM AND TRITIUM. Rose IA *Methods Enzymol* 41: 110-5, 1975 (Eng)

RABBIT

A NEW METHOD FOR THE PRODUCTION OF EXPERIMENTAL DIABETES IN RABBITS. Pakrashi A, Mukherjee SK *J Endocrinol* 66: 147-50, Aug 75 (Eng)

LIPOATROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYSTROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

[PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS] Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)

RACE GROUP

RELATIONSHIP OF RAISED ATHEROSCLEROTIC LESIONS TO FATTY STREAKS

IN 19 LOCATION-RACE GROUPS. Tracy RE, Toca V *Atherosclerosis* 21: 21-36, Jan-Feb 75 (Eng)

RADIOIMMUNOASSAY

[STUDIES ON RADIOIMMUNOASSAY OF PEP-TIDE HORMONE USING POLYETHYLENEGLYCOL. PART 1. INSULIN (AUTHORS TRANSL.)] Kihara A, Kikuchi A, Yaegashi T, Oara H *Jpn J Clin Pathol* 23: 449-52, Jun 75 (Jpn)

GENERAL CONSIDERATIONS FOR RADIOIMMUNOASSAY OF PEPTIDE HORMONES. Orth DN *Methods Enzymol* 37 pt b: 22-38, 1975 (Eng)

RADIOISOTOPE METHOD

[A STUDY OF RENAL FUNCTION USING RADIOISOTOPE METHODS IN PATIENTS WITH DIABETIC NEPHROPATHY] Astrug A, Shiretova E, Ketskarova S, Todorova L *Vutr Boles* 13: 86-92, 1974 (Bul)

RADIOPROTECTIVE SUBSTANCE

THE INFLUENCE OF RADIOPROTECTIVE SUBSTANCES ON THE PENTOSE CYCLE. Kummel L, Sonka J *Agressologie* 15: 253-60, 1974 (Eng)

RADIOTRACER INFUSION

STUDY OF RENAL FUNCTIONS BY REPEATED CONSTANT INFUSION OF RADIOTRACERS BEFORE AND AFTER INITIATION OF THERAPY IN HYPERTENSION OR IN DIABETES MELLITUS. Mirouze J, Monnier L, Olivier C *Pathol Biol (Paris)* 23: 599-603, Oct 75 (Eng)

RANA CATESBEIANA

CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrne JJ, White RJ *Comp Biochem Physiol* [A] 50: 709-15, 1 Apr 75 (Eng)

RASTINON EFFECT

[THE EFFECT OF RASTINON ON THE BETA CELLS OF THE RAT AND GUINEA PIG PANCREAS] Ogneva V *Eksp Med Morfol* 12: 92-7, 1973 (Bul)

RAT, ALBINO

[LIGHT- AND ELECTRON MICROSCOPY STUDIES OF STRUCTURAL CHANGES WITHIN THE EXO- AND ENDOCRINE PANCREAS OF THE ALBINO RAT IN 2-, 3-, 4-, AND 6-WEEK- LONG B1-AVITAMINOSIS] Fallner A *Verh Anat Ges* 68: 621-39, 1974 (Ger)

RAT, ALKALOTIC

CARBOHYDRATE METABOLISM AND ITS RESPONSE TO CATECHOLAMINES AS MODIFIED IN ALKALOTIC RAT. Yajima M, Uti M *Am J Physiol* 228: 1046-52, Apr 75 (Eng)

RAT, BRATTLEBORO

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

RAT, COLD ADAPTED

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED RATS. Kuroshima A, Doi K, Kurahashi M, Ono T *Jpn J Physiol* 25: 275-85, 1975 (Eng)

RAT, DIABETIC

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY DIABETIC RATS. Wexler BC, Lutmer RF *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)

DEPRESSED DUODENAL CALCIUM ABSORPTION IN THE DIABETIC RAT: RESTORATION BY SOLANUM MALACOXYLON. Schneider LE, Wasserman RH, Schedl HP *Endocrinology* 97: 649-53, Sep 75 (Eng)

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

MESANGIAL CHANGES OF THE RENAL GLOMERULUS IN LONG-TERM DIABETIC RATS. Anjo A, Couturier E *Pathol Eur* 10: 21-7, 1975 (Eng)

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irueta O, Foglia VG *Rev Soc Argent Biol* 48: 49-60, Apr 72-Nov 73 (Spa)

RAT, PYLONEPHRITIC

METABOLIC STUDIES IN THE PYLONEPHRITIC RAT. Davidson MB *Diabetes* 24: 881-91, Oct 75 (Eng)

RAT, WISTAR

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissebah AH, Hoppe-Gill H, Vydellingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

RAT, ZINC DEFICIENT

[SERUM AND PLASMA INSULIN LEVELS IN ZINC-DEFICIENT RATS FOLLOWING GLUCOSE STIMULATION] Roth HP, Kirchgesner M *Int J Vitam Nutr Res* 45: 201-8, 1975 (Ger)

RECEPTOR

VULNERABILITY OF CELL-SURFACE RECEPTORS TO AUTOIMMUNE REACTIONS. Carnegie PR, Mackay IR *Lancet* 2: 684-7, 11 Oct 75 (Eng)

ESTIMATION OF HORMONE RECEPTOR AFFINITY BY COMPETITIVE DISPLACEMENT OF LABELED LIGAND: EFFECT OF CONCENTRATION OF RECEPTOR AND OF LABELED LIGAND. Jacobs S, Chang K-J, Cuatrecasas P *Biochem Biophys Res Commun* 66: 687-92, 16 Sep 75 (Eng)

[A RECEPTOR FOR UDP-GLUCOSE IN THE MICROSOMAL MEMBRANES OF RAT HEPATOCYTES] Frot-Coutaz J, Berthillier G, Got R *FEBS Lett* 52: 81-4, 15 Mar 75 (Fre)

H2RECEPTOR ANTAGONIST

PROCEEDINGS: EFFECT OF THE HISTAMINE H2 RECEPTOR ANTAGONIST, CIMETIDINE, ON INSULIN-INDUCED GASTRIC SECRETION IN MAN. Carter DC, Logan R, Forrest JA, Ansell I, Heading RC *Br J Surg* 62: 664-5, Aug 75 (Eng)

RECEPTOR BINDING

THE RELATION OF CONFORMATION AND ASSOCIATION OF INSULIN TO RECEPTOR BINDING: X-RAY AND CIRCULAR-DICHROISM STUDIES ON BOVINE AND HYPOTRICHOMORPH INSULINS. Wood SP, Blundell TL *Eur J Biochem* 55: 531-42, 15 Jul 75 (Eng)

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

RECEPTOR EXPRESSION

MODULATION OF MACROPHAGE FC RECEPTOR EXPRESSION IN VITRO BY INSULIN AND CYCLIC NUCLEOTIDES. Rhodes J *Nature* 257: 597-9, 16 Oct 75 (Eng)

RECEPTOR, HORMONE

[MEMBRANE-BOUND HORMONE RECEPTORS. PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS] Chevillotte E, Devynck MA, Meyer P, Rouzaire-Dubois B *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]

ESTIMATION OF HORMONE RECEPTOR AFFINITY BY COMPETITIVE DISPLACEMENT OF LABELED LIGAND: EFFECT OF CONCENTRATION OF RECEPTOR AND OF LABELED LIGAND. Jacobs S, Chang K-J, Cuatrecasas P *Biochem Biophys Res Commun* 66: 687-92, 16 Sep 75 (Eng)

RED CELL

XENON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciuca L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

RED CELL METABOLISM

ABNORMAL RED CELL METABOLISM IN PATIENTS WITH CHRONIC UREMIA: NATURE OF THE DEFECT AND ITS PERSISTENCE DESPITE ADEQUATE HEMODIALYSIS. Yawata Y, Jacob HS *Blood* 45: 231-9, Feb 75 (Eng)

REDOX STATE

MITOCHONDRIAL OXYGEN AFFINITY AS A FUNCTION OF REDOX AND PHOSPHATE POTENTIALS. Bienfait HF, Jacobs JM, Slater EC *Biochim Biophys Acta* 376: 446-57, 20 Mar 75 (Eng)

REFLECTORIC MEASUREMENT

[COMPARATIVE DETERMINATION OF BLOOD SUGAR USING DEXTROSTIX AND REFLECTORIC MEASUREMENT] Buhring M, Keller H *Med Welt* 26: 390-2, 28 Feb 75 (Ger)

REFLECTORIC PHASE

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Freyse EJ, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

REGULATION MECHANISM

FILAMENTOUS PROTEIN MODEL FOR CYCLIC AMP-MEDIATED CELL REGULATORY MECHANISMS. Olsen RW *J Theor Biol* 49: 263-87, Feb 75 (Eng) [141]

REGULATORY BEHAVIOR

REGULATORY BEHAVIOR OF MONOMERIC ENZYMES. 2. A WHEAT-GERM HEXOKINASE AS A MNEMONICAL ENZYME. Meunier JC, Buc J, Navarro A, Ricard J *Eur J Biochem* 49: 209-23, 1 Nov 74 (Eng)

REGULATORY HORMONE, HYPOTHALAMIC

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

REHABILITATION

MEDICAL ASPECTS OF REHABILITATION. Millard JB *Physiotherapy* 60: 368-9, Dec 74 (Eng)

[REHABILITATION OF ORAL HYPOGLYCEMIC AGENTS] Biron P *Union Med Can* 104: 1421-4, Sep 75 (Fre)

RENAL ARTERY, LIGATION

EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)

RENAL DISEASE

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

RENAL DISEASE, CHRONIC

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)

RENAL FAILURE

[DISORDERS OF CARBOHYDRATE METABOLISM IN PATIENTS WITH RENAL FAILURE] Rutkowski B, Kicinska M *Pol Tyg Lek* 30: 1587-90, 22 Sep 75 (Pol) [37]

RENAL FAILURE, ACUTE

ACUTE RENAL FAILURE: AN IMPORTANT COMPLICATION OF CARDIAC SURGERY IN

INFANTS. Chesney RW, Kaplan BS, Freedman RM, Haller JA, Drummond KN *J Pediatr* 87: 381-8, Sep 75 (Eng)

RENAL FUNCTION

STUDY OF RENAL FUNCTIONS BY REPEATED CONSTANT INFUSION OF RADIOTRACERS BEFORE AND AFTER INITIATION OF THERAPY IN HYPERTENSION OR IN DIABETES MELLITUS. Mirouze J, Monnier L, Olivier C *Pathol Biol (Paris)* 23: 599-603, Oct 75 (Eng)

IA STUDY OF RENAL FUNCTION USING RADIOISOTOPE METHODS IN PATIENTS WITH DIABETIC NEPHROPATHY. Astrug A, Sheiretova E, Ketskaroova S, Todorova L *Vutr Bole* 13: 86-92, 1974 (Bul)

RENAL GLOMERULUS

MESANGIAL CHANGES OF THE RENAL GLOMERULUS IN LONG-TERM DIABETIC RATS. Anjo A, Couturier E *Pathol Ear* 10: 21-7, 1975 (Eng)

RENAL INSUFFICIENCY

[MEDICATION OF PATIENTS WITH RENAL INSUFFICIENCY] Hertig J *Rev Med Suisse Romande* 95: 207-20, Mar 75 (Fre)

RENIN

THE RENIN-ANGIOTENSIN SYSTEM IN DIABETES MELLITUS. Hauger-Klevenc JH, Barontini de Moyano MB *Acta Physiol Lat Am* 24: 419-24, 1974 (Eng)

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)

RESPIRATION, CELL

COUPLING OF GLYCINE AND ALANINE TRANSPORT TO RESPIRATION IN CELLS OF ESCHERICHIA COLI. Sprott GD, Dimock K, Martin WG, Schneider H *Can J Biochem* 53: 262-8, Mar 75 (Eng)

RESPIRATION, MITOCHONDRIAL

GLUCAGON STIMULATION OF MITOCHONDRIAL RESPIRATION. Yamazaki RK *J Biol Chem* 250: 7924-30, 10 Oct 75 (Eng)

RESPIRATORY PATHWAY

MITOCHONDRIA FROM HUMAN TERM PLACENTA. II. CHARACTERIZATION OF RESPIRATORY PATHWAYS AND COUPLING MECHANISMS. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 436-45, 20 Mar 75 (Eng)

RESPIRATORY RELEASING

MECHANISM OF ACTION OF AGENTS WHICH UNCOUPLE OXIDATIVE PHOSPHORYLATION: DIRECT CORRELATION BETWEEN PROTON-CARRYING AND RESPIRATORY-RELEASING PROPERTIES USING RAT LIVER MITOCHONDRIA. Cunarro J, Weiner MW *Biochim Biophys Acta* 387: 234-40, 15 May 75 (Eng)

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Diabetes Literature—Keyword Index

RETINOPATHY, DIABETIC

AG, Ekelund LG, Carlson LA *Acta Med Scand* 198; 55-73, Jul-Aug 75 (Eng)

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL *J Appl Physiol* 38: 236-40, Feb 75 (Eng)

RETINOPATHY, DIABETIC

[VENOUS ARCHING IN DIABETIC RETINOPATHY (AUTHORS TRANSL)] Stieber W *Klin Monatsbl Augenheilkd* 166: 694, May 75 (Ger)

[TREATMENT OF VASCULAR AND HEMORRHAGIC DIABETIC RETINOPATHIES BY MEANS OF ARGON LASERS] Gallet M *Maroc Med* 55: 300-1, Jun 75 (Fre)

TREATMENT OF DIABETIC RETINOPATHY WITH PHOTOCOAGULATION AT ADVANCED AGE. Riaskoff S *Ophthalmologica* 171: 309-11, 1975 (Eng)

SERUM GLYCOPROTEIN LEVEL AS A POSSIBLE EARLY SCREENING FOR THE DEVELOPMENT OF DIABETIC RETINOPATHY. Denswil EH, Huitink MA, Junge J *Ophthalmologica* 171: 316-7, 1975 (Eng)

REVASCULARIZATION

COMPARISON OF LONG-TERM RESULTS OF 364 FEMOROPATEAL OR FEMOROTIBIAL BYPASSES FOR REVASCULARIZATION OF SEVERELY ISCHEMIC LOWER EXTREMITIES. Reichle FA, Tyson RR *Ann Surg* 182: 449-55, Oct 75 (Eng)

REVIEW

[ADIPOSE TISSUE OF THE ABDOMINAL WALL IN MAN. HISTORY OF LITERATURE AND ELECTRON MICROSCOPIC STUDY CONCERNING THE MORPHOLOGICAL ADIPOSE TISSUE RESEARCH. II. OWN ELECTRON MICROSCOPIC STUDIES ON THE ABDOMINAL WALL ADIPOSE TISSUE IN MAN] Hegewald G, Barenwald G, Schwanen-gel H *Anat Anz* 136: 462-93, 1974 (Ger)

REYES SYNDROME

LETTER: EXCESSIVE FREE FATTY ACIDEMIA AND THE ENCEPHALOPATHY IN REYES SYNDROME. Brown RE *N Engl J Med* 292: 1297-8, 12 Jun 75 (Eng)

RHEUMATOID PLEURITIS

RHEUMATOID PLEURITIS AND THORACOSCOPY. Faurischou P *Scand J Respir Dis* 55: 277-83, 1974 (Eng)

RHODOTORULA GRACILIS

TEMPERATURE DEPENDENCE OF THE ENERGY-LINKED MONOSACCHARIDE TRANSPORT ACROSS THE CELL MEMBRANE OF RHODOTORULA GRACILIS. Heller KB, Hofer M *J Membr Biol* 21: 261-71, 1975 (Eng)

RHYTHM

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C *Chronobiologia* 1: Apr-Jun 74 (Eng)

RIBOFLAVIN EFFECT

EFFECT OF RIBOFLAVIN ON PLASMA GROWTH HORMONE AND SERUM IRON IN MAN. Schendel H, Gordon A *Am J Clin Nutr* 28: 569-70, Jun 75 (Eng)

RIBONUCLEIC ACID SYNTHESIS

EARLY CELLULAR RESPONSES TO DIVERSE GROWTH STIMULI INDEPENDENT OF PROTEIN AND RNA SYNTHESIS. Rubin H, Koide T *J Cell Physiol* 86: 47-58, Aug 75 (Eng)

RIBOSE 5-PHOSPHATE

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLL II. EFFECTORS AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY RIBOSE 5-PHOSPHATE. Waygood EB, Rayman MK, Sanwal BD *Can J Biochem* 53: 444-54, Apr 75 (Eng)

RISK FACTOR

[FREQUENCY AND DISTRIBUTION OF TYPES OF HYPERLIPOPROTEINEMIA WITH LIFE-SHORTENING RISK FACTORS AMONG AMBULANT PATIENTS (AUTHORS TRANSL)] Mertz DP, Hohnneck A *Med Klin* 70: 1209-13, 11 Jul 75 (Ger)

[RISK FACTORS AND VASCULAR DISEASES. EPIDEMIOLOGIC STUDIES FROM A GENERAL PRACTICE] Schultz HJ *Z Allgemeinmed* 51: 929-38, 31 Jul 75 (Ger)

[JUVENILE MYOCARDIAL INFARCT AND ITS RISK FACTORS. RESULTS FROM 172 CASES] Fiegel G *Z Allgemeinmed* 51: 939-41, 31 Jul 75 (Ger)

SACCHARIN

EDITORIAL: SACCHARIN AND BLADDER CANCER. Anonymous *Br Med J* 3: 610, 13 Sep 75 (Eng)

EXCRETION AND METABOLISM OF SACCHARIN IN MAN. II. STUDIES WITH 14-C-LABELLED AND UNLABELLED SACCHARIN. Byard JL, McChesney EW, Goldberg L, Coulson F *Food Cosmet Toxicol* 12: 175-84, Apr 74 (Eng)

SACCHAROMETER

[DETERMINATION OF GLUCOSE IN URINE. COMPARISON BETWEEN TESTAPE, CLINTEST, FERMENTATION SACCHAROMETER AND AUTOANALYZER] Kragh PL, Madsen HG *Ugeskr Laeger* 137: 2308-12, 29 Sep 75 (Dan)

SALBUTAMOL

[BETA 2 SPECIFICITY OF SALBUTAMOL: METABOLIC EVALUATIONS] Gemelli M, Barberio G, De Luca F, Franchina A *Boll Soc Ital Biol Sper* 50: 663-6, 30 May 74 (Ita)

SALMON, KOKANEE (ONCORHYNCHUS NERKA)

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, ONCORHYNCHUS NERKA. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol* [A] 47: 821-8, 1 Mar 74 (Eng)

SCHISTOSOMA MANSONI

ANATOMICAL LOCALIZATION OF GLUCOSE UPTAKE BY SCHISTOSOMA MANSONI ADULTS. Rogers SH, Bueding E *Int J Parasitol* 5: 369-71, Jun 75 (Eng)

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

SCORPION (BUTHUS MINAX)

GLYCEMIC EFFECT OF VENOM FROM THE SCORPION BUTHUS MINAX (L. KOCH). el-Asmar M, Soliman SF, Ismail M, Osman OH *Toxicol* 12: 249-51, May 74 (Eng)

SCOTLAND

DIABETES MELLITUS IN SCOTLAND. Weir RD, Dingwall-Fordyce I *Health Bull (Edinb)* 33: 90-2, Mar 75 (Eng)

SCREENING

SERUM GLYCOPROTEIN LEVEL AS A POSSIBLE EARLY SCREENING FOR THE DEVELOPMENT OF DIABETIC RETINOPATHY. Denswil EH, Huitink MA, Junge J *Ophthalmologica* 171: 316-7, 1975 (Eng)

SECOND MESSENGER

THE SECOND MESSENGER. PART I. CYCLIC AMP. Jard S *Med Times* 102: 58-60, 65-7, Oct 74 (Eng)

SECRETIN

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

NEONATAL SECRETION OF SECRETIN. Rogers IM, Davidson DC, Lawrence J, Buchanan KD *Arch Dis Child* 50: 120-2, Feb 75 (Eng)

SECRETORY CELL

[ULTRASTRUCTURE OF THE SECRETORY CELLS OF THE PANCREATIC ISLETS IN HUMAN FETUSES] Puzyrev AA *Tsitologia* 17: 1027-31, Sep 75 (Rus)

SECRETORY EFFECT

CLINICAL, SECRETORY AND MOTOR EFFECTS OF SELECTIVE PROXIMAL VAGOTOMY. A THREE-YEAR FOLLOW-UP. Moberg S, Hedenstedt S *Acta Chir Scand* 141: 203-7, 1975 (Eng)

SECRETORY TUMOR

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larródera L, Ramirez A, Florez Tascon M, Schuller A *Rev Clin Esp* 138: 475-9, 15 Sep 75 (Spa)

SELENIUM

THE NUTRITIONAL AND METABOLIC ROLES OF SELENIUM AND VITAMIN E. Diplock AT *Proc Nutr Soc* 33: 315-22, Dec 74 (Eng) [41]

SEMEN

OXIDATIVE AND GLYCOLYTIC METABOLISM OF SEMEN COMPONENTS BY WASHED GUINEA PIG SPERMATOZOA. Frenkel G, Peterson RN, Freund M *Fertil Steril* 26: 144-7, Feb 75 (Eng)

SEMITHIN EPOXY SECTION

USE OF PHAST CONTRAST MICROSCOPY OF SEMITHIN EPOXY SECTIONS IN

Diabetes Literature—Keyword Index

SOMATOMEDIN

HISTOCHEMISTRY. Nevalainen TJ *Beitr Pathol* 156: 80-4, Sep 75 (Eng)

SENSORY CONDUCTION

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT: VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES: H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Esp* 138: 445-52, 15 Sep 75 (Spa)

SERRATIA MARCESCENS INFECTION

OUTBREAKS OF SERRATIA MARCESCENS INFECTIONS IN A CARDIOTHORACIC SURGICAL INTENSIVE CARE UNIT. Richards NM, Levitsky S *Ann Thorac Surg* 19: 503-13, May 75 (Eng)

SERUM

DEGRADATION OF INSULIN IN SERUM BY INSULIN-SPECIFIC PROTEASE. Starr JL, Juhn DD, Rubenstein AH *J Lab Clin Med* 86: 631-7, Oct 75 (Eng)

THE INABILITY OF THE INHIBITOR OF GLUCOSE UTILIZATION ISOLATED FROM THE SERUM OF URAEMIC SUBJECTS TO INHIBIT LEUCOCYTE MIGRATION. Nilius R, Otto L, Dzuriik R *Int Urol Nephrol* 6: 33-4, 1974 (Eng)

SERUM, PATIENT

[IMMUNOGLOBULIN G LEVEL IN THE SERUM OF PATIENTS WITH POLYNEUROPATHIES] Strelau K *Neurol Neurochir Pol* 9: 447-51, Jul-Aug 75 (Pol)

SERUM, RAT

[SERUM AND PLASMA INSULIN LEVELS IN ZINC-DEFICIENT RATS FOLLOWING GLUCOSE STIMULATION] Roth HP, Kirchgesner M *Int J Vitam Nutr Res* 45: 201-8, 1975 (Ger)

SEX

TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY. Edmonds CJ, Jasani BM, Smith T *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)

SEX DIFFERENCE

SEX-DIFFERENCE IN THE RESPONSE TO DIFFERENT KINDS OF DIETARY CARBOHYDRATES IN RATS. Takemoto T *Tohoku J Exp Med* 115: 213-22, Mar 75 (Eng)

SEX EFFECT

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spelacy WN, Conly PW, Cleveland WW, Bui WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

SEXUALITY

SEXUALITY IN LATER LIFE. Ycaworth RC, Friedman JS *Nurs Clin North Am* 10: 565-86, Sep 75 (Eng)

SHEEP

THE EFFECT OF GROWTH HORMONE ON CALCIUM METABOLISM IN THE SHEEP. Braithwaite GD *Br J Nutr* 33: 309-14, May 75 (Eng)

PLASMA GROWTH HORMONE AND SLOW WAVE SLEEP INCREASE AFTER INTERRUPTION OF SHEEP. Beck U, Brezinova V, Hunter WM, Oswald I *J Clin Endocrinol Metab* 40: 812-5, May 75 (Eng)

SHELL GLAND, AVIAN

GLUCOSE UTILIZATION BY THE AVIAN SHELL GLAND. Moynihan JB, Edwards NA *Biochem Soc Trans* 3: 191-3, 1975 (Eng)

SHOCK

SUCCESSFUL ORTHOTOPIC ALLOTRANSPLANTATION OF HEARTS FROM DOGS IN IRREVERSIBLE SHOCK. Culpepper RD, Kondo Y, Hardy JD, Turner MD *Surgery* 77: 126-31, Jun 75 (Eng)

ALA-GLY SIDE CHAIN

SOMATOSTATIN ANALOGS. RELATIVE IMPORTANCE OF THE DISULFIDE BRIDGE AND OF THE ALA-GLY SIDE CHAIN FOR BIOLOGICAL ACTIVITY. Rivier J, Brazeau P, Vale W, Guillemin R *J Med Chem* 18: 123-6, Feb 75 (Eng)

SJOGRENS SYNDROME

[SJOGRENS SYNDROME WITH PROGRESSIVE SYSTEMIC SCLEROSIS AND PRIMARY DIABETES IN A 12-YEAR-OLD GIRL] Wesolowska H, Ludwiczak H, Ferdynus J *Reumatologia* 13: 215-9, 1975 (Pol)

SKELETAL MUSCLE

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE IN THERMAL TRAUMA. I. EFFECT OF EXOGENOUS INSULIN. Hessman Y, Thoren L *Acta Chir Scand* 141: 385-92, 1975 (Eng)

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE DURING CONTINUOUS INFUSION OF ADRENALIN. II. EFFECT OF EXOGENOUS INSULIN. Hessman Y *Acta Chir Scand* 141: 393-8, 1975 (Eng)

SKIN, HUMAN

NEUTRAL AMINO ACID TRANSPORT IN CULTIVATED HUMAN SKIN FIBROBLASTS (38521). Booth CW, Nader HL *Proc Soc Exp Biol Med* 148: 277-82, Jan 75 (Eng)

SKIN, MOUSE

A STUDY OF CONNECTIVE TISSUE MACROMOLECULES IN SKIN OF MICE WITH GOLDTHIOGLUCOSE-INDUCED OBESITY. Dalferes ER Jr, Radhakrishnam, thy B, Crouch MS, Berenson GS *Proc Soc Exp Biol Med* 148: 918-24, Mar 75 (Eng)

SLEEP

PLASMA GROWTH HORMONE AND SLOW WAVE SLEEP INCREASE AFTER INTERRUPTION OF SHEEP. Beck U, Brezinova V, Hunter WM, Oswald I *J Clin Endocrinol Metab* 40: 812-5, May 75 (Eng)

EDITORIAL: SLEEP. Anonymous *Lancet* 1: 963, 26 Apr 75 (Eng)

SLEEP RELATED

SLEEP-RELATED GROWTH HORMONE SECRETION AND MORNING NAPS. Othmer E, Mendelson WB, Levine WR, Malarkey WB, Daughaday WH *Steroids Lipids Res* 5: 380-6, 1974 (Eng)

SLIMMING RESISTANCE

RESISTANCE TO SLIMMING: ADAPTATION OR ILLUSION Miller DS, Parsonage S *Lancet* 1: 773-5, 5 Apr 75 (Eng)

SMALL-FOR-GESTATIONAL AGE

HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltesz G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)

SNAKE (BITIS ARIETANS)

PHARMACOLOGICAL STUDIES OF SNAKE (BITIS ARIETANS) VENOM. Osman OH, Gumaa KA *Toxicon* 12: 569-75, Dec 74 (Eng)

SODIUM DEPENDENCE

AMINO ACID TRANSPORT IN PERIPHERAL NERVE: ENERGY AND SODIUM DEPENDENCE. Wheeler DD *J Neurochem* 24: 1197-202, Jun 75 (Eng)

SODIUM ION

GLUCAGON-INDUCED CHANGES IN THE ACTION POTENTIAL, CONTRACTION, AND NA&K-ATPASE OF CARDIAC MUSCLE. Prasad K *Cardiovasc Res* 9: 355-65, May 75 (Eng)

RETINAL CAPILLARY JUNCTIONS: ULTRASTRUCTURAL TIGHT JUNCTION ARTIFACTS INDUCED BY SODIUM IONS AND MEMBRANE REDUCTION IN STREPTOZOTOCIN DIABETES. Sosula L *Cell Tissue Res* 161: 393-411, 25 Aug 75 (Eng)

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

PROCEEDINGS: A METHOD FOR MEASURING SIMULTANEOUSLY THE BI-DIRECTIONAL NA& AND CL- FLUXES ACROSS A MEMBRANE. Tomlinson RW, Wood AW *J Physiol (Lond)* 242: 57P-58P, Oct 74 (Eng)

SODIUM PALMITATE

INFLUENCE OF SODIUM PALMITATE ON THE CELLULAR ACTION OF POTENTIALS OF THE LEFT VENTRICLE OF ISOLATED, PERFUSED GUINEA-PIG HEART. Wasilewska-Dziubinska E, Czarnecka M, Beresewicz A, Lewartowski B *Acta Physiol Pol* 26: 1-11, Jan-Feb 75 (Eng)

SOLANUM MALACOXYLON

DEPRESSED DUODENAL CALCIUM ABSORPTION IN THE DIABETIC RAT: RESTORATION BY SOLANUM MALACOXYLON. Schneider LE, Wasserman RH, Schedl HP *Endocrinology* 97: 649-53, Sep 75 (Eng)

SOMATOMEDIN

MEASUREMENT OF SOMATOMEDIN BY CATHLAGE IN VITRO. Daughaday WH, Phillips

Diabetes Literature—Keyword Index

SOMATOSTATIN

I.S. Herington AC *Methods Enzymol* 37 pt b: 93-109, 1975 (Eng)

SOMATOSTATIN

LETTER: IMMUNOHISTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN THE RAT PANCREAS. Pelletier G, Leclerc R, Arimura A, Schally AV *J Histochem Cytochem* 23: 699-702, Sep 75 (Eng)

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellnerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL.)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

THE REGIONAL DISTRIBUTION OF SOMATOSTATIN IN THE RAT BRAIN. Brownstein M, Arimura A, Sato H, Schally AV, Kizer JS *Endocrinology* 96: 1456-61, Jun 75 (Eng)

SOMATOSTATIN ANALOG

SOMATOSTATIN ANALOGS. RELATIVE IMPORTANCE OF THE DISULFIDE BRIDGE AND OF THE ALA-GLY SIDE CHAIN FOR BIOLOGICAL ACTIVITY. Rivier J, Brazeau P, Vale W, Guillemin R *J Med Chem* 18: 123-6, Feb 75 (Eng)

SOMATOTROPE

[THE EFFECT OF PARTIAL HEPATECTOMY ON THE QUANTITY OF SOMATOTROPES IN RAT ADENOHYPHYSIS] Sidorova VF *Bull Eksp Biol Med* 79: 97-100, Mar 75 (Rus)

SORBITOL

LETTER: PRACTICAL IMPORTANCE OF SORBITOL IN DIABETOLOGY [Heraud G, Roux E, Stach JL *Nouv Presse Med* 4: 2113 (2), 13 Sep 75 (Fre)]

SORBITOL INFUSION

[SERUM LIPOPROTEIDS AND KETONE BODIES AFTER CONSTANT INFUSION OF SORBITOL I.V. (AUTHORS TRANSL.)] Berg G, Matzkies F *Klin Wochenschr* 53: 187-8, 15 Feb 75 (Ger)

SPECTRUM, METABOLIC

THE METABOLIC SPECTRUM OF HALOFENATE. Ryan JR *Int J Clin Pharmacol Biopharm* 12: 239-43, Jul 75 (Eng)

SPERMATOZOA

OXIDATIVE AND GLYCOLYTIC METABOLISM OF SEMEN COMPONENTS BY WASHED GUINEA PIG SPERMATOZOA. Frenkel G, Peterson RN, Freund M *Fertil Steril* 26: 144-7, Feb 75 (Eng)

SPLANCHNIC EXCHANGE

EFFECTS OF ABDOMINAL SURGERY UNDER GENERAL ANAESTHESIA AND OF POSTOPERATIVE ANALGESIC THERAPY ON SPANCHNIC EXCHANGE OF SOME BLOOD BORNE ENERGY METABOLITES. Wiklund L, Jorfeldt L *Acta Anaesthesiol Scand [Suppl]* 41: 58, 1975 (Eng)

SPORT MEDICINE

[CARBOHYDRATES FOR THE INFLUENCING OF EFFICIENCY IN SPORT MEDICINE] Keul L *Nutr Metab* 18 suppl 1: 157-70, 1975 (Ger)

SPOTTED MUNIA (LONCHURA PUNCTULATA)

EFFECTS OF L-THYROXINE ON THE INTERMEDIARY METABOLISM OF THE SPOTTED MUNIA, LONCHURA PUNCTULATA. Thapliyal JP, Garg RK, Murty GS, Gupta SC *Gen Comp Endocrinol* 25: 31-5, Jan 75 (Eng)

STARVATION

CONCENTRATIONS IN VITRO OF VARIOUS ENZYMES IN LIVER HOMOGENATES DURING THE FIRST FEW DAYS OF A PERIOD OF STARVATION. den Otter W *Periodontol* 63: 611-24, ar 754 (Eng)

STATISTICAL INTERPRETATION

MASSIVE OBESITY AND THE KIDNEY. A MORPHOLOGIC AND STATISTICAL STUDY. Cohen AH *Am J Pathol* 81: 117-30, Oct 75 (Eng)

STATISTICS

STATISTICS AND MEDICAL EXPERIMENTATION. Meier P *Biometrics* 31: 511-29, Jun 75 (Eng)

STAUB TRAUGOTT EFFECT

ABSENCE OF FACILITATED GLUCOSE DISPOSAL (STAUB-TRAUGOTT EFFECT) IN SUBJECTS WITH HYPOPIUITARISM. Abaira C, Graham LA, Lawrence AM *Metabolism* 24: 1145-55, Oct 75 (Eng)

STERILIZATION

CLINICAL CONFERENCE: ABORTION AND STERILIZATION. Anonymous *J Med Ethics* 1: 45-8, Apr 75 (Eng)

STREPTOZOTOCIN

MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN. Gefel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

STREPTOZOTOCIN DIABETES

RETINAL CAPILLARY JUNCTIONS: ULTRASTRUCTURAL TIGHT JUNCTION ARTIFACTS INDUCED BY SODIUM IONS AND MEMBRANE REDUCTION IN STREPTOZOTOCIN DIABETES. Sosula L *Cell Tissue Res* 161: 393-411, 25 Aug 75 (Eng)

STREPTOZOTOCIN DIABETIC RAT

GLYCOGEN SYNTHESIS IN THE PERFUSED LIVER OF STREPTOZOTOCIN-DIABETIC RATS. Whittton PD, Hems DA *Biochem J* 150: 153-65, Aug 75 (Eng)

STREPTOZOTOCIN EFFECT

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

STREPTOZOTOCIN TREATED DOG

THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotze JP, Steinberg D *S Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)

STREPTOZOTOCIN-INDUCED

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMATIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

STRESS

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTEX AFTER ACUTE AND REPEATED STRESS. Kvetnansky R, Torda T, Jahnova E, Saleh N *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

BIOACTIVE AND IMMUNOACTIVE ACTH IN THE RAT PITUITARY: INFLUENCE OF STRESS AND ADRENALECTOMY. Moriarty CM, Moriarty GC *Endocrinology* 96: 1419-25, Jun 75 (Eng)

STRESS EFFECT

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

STRESS, EXPERIMENTAL

PREVENTION BY GLUCAGON OF EXPERIMENTAL STRESS INDUCED HEMORRHAGIC GASTRITIS. Guth PH, Meeroff JC, Paulsen G, Isenberg JJ *Gastroenterology* 69: 1048-50, Oct 75 (Eng)

STRESS, HYPOGLYCEMIC

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

STRESS, NEURO EMOTIONAL

[THE FUNCTIONAL STATE OF THE SYMPATHETIC-ADRENAL AND PITUITARY-ADRENOCORTICAL SYSTEMS DURING CHRONIC NEURO-EMOTIONAL STRESS] Belova TA, Vasilev VN *Probl Endokrinol (Mosk)* 21: 27-32, Mar-Apr 75 (Rus)

Diabetes Literature—Keyword Index

SYSTEMIC SCLEROSIS, PROGRESSIVE

STROKE POPULATION

PROGNOSIS AND QUALITY OF SURVIVAL IN A HOSPITALIZED STROKE POPULATION FROM THE SOUTH. Haerter AF, Woosley PC *Stroke* 6: 543-8, Sep-Oct 75 (Eng)

STRONGYLOIDES VENEZUELENSIS (BRUMPT)

BLOOD GLUCOSE, TOTAL SERUM CHOLESTEROL AND TOTAL BILIRUBIN LEVELS OF RATS FOLLOWING EXTRAINTESTINAL MIGRATION OF STRONGYLOIDES VENEZUELENSIS (BRUMPT, 1934). Petriello RP, Hardy SM *Comp Biochem Physiol* [B] 50: 537-40, 15 Apr 75 (Eng)

SUBMITOCHONDRIAL PARTICLE

ATP- AND PHOSPHATE-INDUCED CONFIGURATIONAL CHANGES OF SUBMITOCHONDRIAL PARTICLES. Lundberg P *Biochim Biophys Acta* 376: 458-69, 20 Mar 75 (Eng)

SUBSTRATE, ISOTOPE-LABELED

A STUDY OF THE MECHANISM OF ACTION OF PHOSPHORYLASE B USING ISOTOPE-LABELED SUBSTRATES. Firsov LM, Bogacheva TI, Bresler SE *Mol Biol* 8: 454-60, Jan 75 (Eng)

SUBSTRATE, U-14C-LABELED

STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilikis SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

SUBSTRATE UPTAKE

PROCEEDINGS: BLOOD FLOW AND SUBSTRATE UPTAKE AND OXIDATION IN THE HIND LIMB MUSCLES OF SHEEP. Domanski A, Linksy DB, Setchell BP *J Physiol (Lond)* 242: 28-29P, Oct 74 (Eng)

SUBUNIT STRUCTURE

SUBUNIT STRUCTURE AND SOME PROPERTIES OF PYRUVATE KINASE OF NEUROSPORA. Kapoor M *Can J Biochem* 53: 109-19, Feb 75 (Eng)

SUCKLING

[SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schroter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)

SUCROSE

SUCROSE AND GLUCOSE CONCENTRATIONS OF FREQUENTLY INGESTED FOODS. Shannon IL, Wescott WB *J Acad Gen Dent* 23: 37-43, May-Jun 75 (Eng)

SUCROSE FEEDING

HUMAN PLASMA TRIGLYCERIDE LABELING AFTER HIGH SUCROSE FEEDING. II. STUDY ON TRIGLYCERIDE KINETICS AND POSTHEPARIN LIPOLYTIC ACTIVITY. Wu CH, Shreeve WW *Metabolism* 24: 755-66, Jun 75 (Eng)

SUGAR

[SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schroter

W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)

[SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehnert H, Dietze G, Haslbeck M *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)

THE EXSORPTION CHARACTERISTICS OF VARIOUS SUGARS. Axon ATR, Creamer B *Gut* 16: 99-104, Feb 75 (Eng)

[DIURNAL FLUCTUATIONS OF BLOOD LIPIDS AND SUGAR LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH ISCHEMIC HEART DISEASES] Krivoruchenko IV, Ianushkene TS *Kardiologia* 15: 78-84, Feb 75 (Rus)

SUGAR, DIETARY

REGIONAL VARIATION IN GLYCOLYTIC ENZYME ADAPTATION TO DIETARY SUGARS IN RAT SMALL INTESTINE. Espinoza J, Hritz A, Kaplan R, Clark SB, Rosensweig NS *Am J Clin Nutr* 28: 453-8, May 75 (Eng)

SUGAR SUBSTITUTE

[SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehnert H, Dietze G, Haslbeck M *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)

35-S SULFATE

[35-S]SULFATE INCORPORATION INTO MYELIN GLYCOPROTEINS; II. PERIPHERAL NERVOUS TISSUE. Matthieu JM, Everly JL, Brady RO, Quarles RH *Biochim Biophys Acta* 392: 167-74, 5 May 75 (Eng)

SULFONYLUREA DRUG

[STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL.) Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)

SURFACE AGENT

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

SURFACE PROTEIN

AN EVALUATION OF TECHNIQUES FOR LABELLING THE SURFACE PROTEINS OF CULTURED MAMMALIAN CELLS. Juliano RL, Behar-Bannelier M *Biochim Biophys Acta* 375: 249-67, 28 Jan 75 (Eng)

SURGERY

[SURGERY OF THE PANCREAS. RESULTS AND SEQUELAE] Schoenemann J *Internist (Berlin)* 16: 276-83, Jun 75 (Ger)

NASAL MUCORMYCOSIS: EARLY DETECTION AND TREATMENT WITHOUT RADICAL SURGERY OR AMPHOTERICIN B. Pollock RA, Pratt RC, Shulman JA, Turner JS *South Med J* 68: 1279-82, Oct 75 (Eng)

[SURGERY AND DIABETES MELLITUS (AUTHORS TRANSL.) Litwin M, Panecka A, Smigielcka H *Ann Univ Mariae Curie Skłodowska [Med]* 29: 255-62, 1974 (Pol)

SURVIVAL TIME

PROGNOSIS AND QUALITY OF SURVIVAL IN A HOSPITALIZED STROKE POPULATION FROM THE SOUTH. Haerter AF, Woosley PC *Stroke* 6: 543-8, Sep-Oct 75 (Eng)

SUTHERLAND

THE LAST CONVERSATION WITH DR. EARL W. SUTHERLAND, JR: THE FEEDBACK REGULATION OF CYCLIC NUCLEOTIDES. Ho RJ, Russell T, Asakawa T *Metabolism* 24: 257-64, Mar 75 (Eng)

SYMPATHETIC ADRENAL STATE

[THE FUNCTIONAL STATE OF THE SYMPATHETIC-ADRENAL AND PITUITARY-ADRENOCORTICAL SYSTEMS DURING CHRONIC NEURO-EMOTIONAL STRESS] Belova TA, Vasilev VN *Probl Endokrinol (Mosk)* 21: 27-32, Mar-Apr 75 (Rus)

SYNDROME, DIABETIC

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

SYNDROME, DOMINANTLY INHERITED

LIPODYSTROPHY OF THE EXTREMITIES. A DOMINANTLY INHERITED SYNDROME ASSOCIATED WITH LIPATROPHIC DIABETES. Kobberling J, Willsms B, Kattermann R, Creutzfeldt W *Humangenetik* 29: 111-20, 10 Sep 75 (Eng)

SYNDROME, HYPERLIPEMIC

[CONTROLLED APPLICATION OF CYNARIN IN THE TREATMENT OF HYPERLIPEMIC SYNDROME. OBSERVATIONS IN 60 CASES] Montini M, Levoni P, Ongaro A, Pagani G *Arzneim Forsch* 25: 1311-4, Aug 75 (Ger)

SYNDROME, SJOGRENS

[SJOGRENS SYNDROME WITH PROGRESSIVE SYSTEMIC SCLEROSIS AND PRIMARY DIABETES IN A 12-YEAR-OLD GIRL] Wesolowska H, Ludwiczak H, Ferdynus J *Reumatologia* 13: 215-9, 1975 (Pol)

SYNTHETASE

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

SYNTHETASE, FATTY ACID

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-CoA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroeff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

SYSTEMIC SCLEROSIS, PROGRESSIVE

[SJOGRENS SYNDROME WITH PROGRESSIVE SYSTEMIC SCLEROSIS AND PRIMARY DIABETES IN A 12-YEAR-OLD GIRL] Wesolowska H, Ludwiczak H, Ferdynus J *Reumatologia* 13: 215-9, 1975 (Pol)

TEACHING

TEACHING

PEDIATRIC DIABETES: A NEW TEACHING APPROACH. Leahy MD, Logan SA, McArthur RG *Can Nurse* 71: 18-20, Oct 75 (Eng)

TEMPERATURE DEPENDENCE

TEMPERATURE DEPENDENCE OF THE ENERGY-LINKED MONOSACCHARIDE TRANSPORT ACROSS THE CELL MEMBRANE OF RHODOTORULA GRACILIS. Heller KB, Hofer M *J Membr Biol* 21: 261-71, 1975 (Eng)

TEMPERATURE EFFECT

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST TWO MONTHS OF PREGNANCY. Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)

TEMPERATURE LOWERING

[EFFECT OF PERIODIC LOWERING OF THE TEMPERATURE OF THE SURROUNDING MEDIUM ON THE EFFICIENCY OF ADAPTATION OF MUSCLES TO INCREASED ACTIVITY] Kosonkova ZE *Fiziol Zh SSSR* 60: 1403-9, Sep 74 (Rus)

TERRAIN FACTOR

[LETTER: TERRAIN FACTORS AND DERMATOMYCOSES] Gotz H *Hautarzt* 26: 341, Jun 75 (Ger)

TEST

THE INSULIN TEST: NEGATIVE AND POSITIVE TESTS VERSUS NUMERICAL VALUES. Emas S, Borg I *Scand J Gastroenterol* 10: 609-16, 1975 (Eng)

TESTAPE

[DETERMINATION OF GLUCOSE IN URINE. COMPARISON BETWEEN TESTAPE, CLINTEST, FERMENTATION SACCHAROMETER AND AUTOANALYZER] Kragh PL, Madsen HG *Ugeskr Laeger* 137: 2308-12, 29 Sep 75 (Dan)

TESTIS

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irusta O, Foglia VG *Rev Soc Argent Biol* 48: 49: 48-60, Apr 72-Nov 73 (Spa)

TESTOSTERONE

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geinshovel W, Niedergerke U, Morgner KD, Wilms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irusta O, Foglia VG *Rev Soc Argent Biol* 48: 49: 48-60, Apr 72-Nov 73 (Spa)

THEOPHYLLINE EFFECT

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3:5 MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

THERMAL TRAUMA

CUTANEOUS REACTIONS OF ALLOXAN DIABETIC RATS TO LOCAL THERMAL TRAUMA. Lithner F, Hagg E *Ups J Med Sci* 80: 99-102, 1975 (Eng)

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE IN THERMAL TRAUMA. I. EFFECT OF EXOGENOUS INSULIN. Hessman Y, Thoren L *Acta Chir Scand* 141: 385-92, 1975 (Eng)

THERMODYNAMICS

THE SELF-ASSOCIATION OF ATP: THERMODYNAMICS AND GEOMETRY. Heyn MP, Bretz R *Biophys Chem* 3: 35-45, Feb 75 (Eng)

4-DEOXY-D-THREOHXULOSE

[IDENTIFICATION OF 4-DEOXY-D-THREOHXULOSE (4-DEOXY-D-FRUCTOSE) IN HUMAN URINE] Strecker G *C R Acad Sci [D] (Paris)* 279: 1213-6, 30 Sep 74 (Fre)

THYROID

REGULATION OF THYROID ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN. I. THE RAT. Richman R, Park S, Akbar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)

STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPRANOLOL. Marshall NJ, Von Borcke S, Malan PG *Endocrinology* 96: 1513-9, Jun 75 (Eng)

THYROID, BOVINE

STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID. Marshall NJ, von Borcke S, Malan PG *Endocrinology* 96: 1520-4, Jun 75 (Eng)

THYROID CONTROL

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

THYROID GLAND FUNCTION

THYROID-STIMULATING HORMONE AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN THE REGULATION OF THYROID GLAND FUNCTION. Field JB *Metabolism* 24: 381-93, Mar 75 (Eng) [63]

THYROID HORMONE EFFECT

EFFECTS OF THYROID HORMONE ADMINISTRATION ON SKELETAL MUSCLE MITOCHONDRIA. Winder WW, Baldwin KM, Terjung RL, Holloszy JO *Am J Physiol* 228: 1341-5, May 75 (Eng)

THYROID INSUFFICIENCY

[VARIOUS TYPES OF ANEMIAS IN THYROID INSUFFICIENCY] Guillausseau PJ, Lainee J, Aubert P *Nouv Presse Med* 4: 181-4, 18 Jan 75 (Fre)

THYROID STIMULATING HORMONE

STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPRANOLOL. Marshall NJ, Von Borcke S, Malan PG *Endocrinology* 96: 1513-9, Jun 75 (Eng)

THYROID-STIMULATING HORMONE AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN THE REGULATION OF THYROID GLAND FUNCTION. Field JB *Metabolism* 24: 381-93, Mar 75 (Eng) [63]

METHODS FOR ASSESSING HORMONE (TSH) EFFECTS ON GLUCOSE OXIDATION AND PHOSPHOLIPID SYNTHESIS. Field JB *Methods Enzymol* 37 pt b: 262-8, 1975 (Eng)

THYROID STIMULATING HORMONE, SERUM

[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)

THYROIDECTOMY

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL *J Appl Physiol* 38: 236-40, Feb 75 (Eng)

THYROIDECTOMY EFFECT

EFFECT OF THYROIDECTOMY ON THE IN VITRO UTILIZATION OF GLUCOSE BY HYPOPHYSIS AND HYPOTHALAMUS IN THE RAT. Castro M, Garcia MD, Herrera E *Steroids Lipids Res* 5: 276-81, 1974 (Eng)

THYROTROPIN

REGULATION OF THYROID ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN. I. THE RAT. Richman R, Park S, Akbar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)

EFFECT OF DEXAMETHASONE ON THE SECRETION OF THYROTROPIN IN THE RAT: DOSE AND TIME RELATIONS. Ranta T *Endocrinology* 96: 1566-70, Jun 75 (Eng)

THYROXINE

THE EFFECT OF FOOD DEPRIVATION OF THE PERIPHERAL METABOLISM OF THYROXINE IN RATS. Ingbar DH, Galton VA *Endocrinology* 96: 1525-32, Jun 75 (Eng)

L-THYROXINE

EFFECTS OF L-THYROXINE ON THE INTERMEDIARY METABOLISM OF THE SPOTTED MUNIA, LONCHURA PUNCTULATA. Thapliyal JP, Garg RK, Murty GS, Gupta SC *Gen Comp Endocrinol* 25: 31-5, Jan 75 (Eng)

Diabetes Literature—Keyword Index

TISSUE LIPID

CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrne JJ, White RJ *Comp Biochem Physiol [A]* 50: 709-15, 1 Apr 75 (Eng)

TOLBUTAMIDE

[USE OF TOLBUTAMIDE IN DIABETES AND PREGNANCY] Villanueva Gasca A, Maria Garcia L, Lopez Villegas J, Nunez E *Ginecol Obstet Mex* 38: 133-7, Aug 75 (Spa)

[COMPARATIVE USE OF GLIQUIDONE AND TOLBUTAMIDE ADMINISTERED INTRAVENOUSLY] Zilker T, Luders L, Bottermann P *Munch Med Wochenschr* 117: 1421-2, 5 Sep 75 (Ger)

TOXICOLOGY, CHICKEN

[CHRONIC ZINC-BACITRACIN TOXICITY IN CHICKENS] Simeonov S, Pashov D, Peinkova Ts, Dzhuurov A *Vet Med Nauki* 12: 100-5, 1975 (Bul)

TOXICOLOGY, HUMAN

THE HUMAN TOXICOLOGY OF DIMETHYL SULFOXIDE. Brobyn RD *Ann NY Acad Sci* 243: 497-506, 27 Jan 75 (Eng)

TRANSAMINASE, GLUTAMATE PYRUVATE

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. I. GTP AS NUCLEOTIDE SUBSTRATE FOR HISTONE PHOSPHORYLATION. Skala JP, Knight BL *Biochim Biophys Acta* 385: 114-23, 14 Mar 75 (Eng)

TRANSFER, ACTIVE

STUDIES ON THE ACTIVE TRANSFER OF REDUCING EQUIVALENTS INTO MITOCHONDRIA VIA THE MALATE-ASPARTATE SHUTTLE. Bremer J, Davis EJ *Biochim Biophys Acta* 376: 387-97, 20 Mar 75 (Eng)

TRANSLOCATION

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

ON THE MECHANISM OF TRANSLOCATION OF PYRUVATE AND OTHER MONOCARBOXYLIC ACIDS IN RAT-LIVER MITOCHONDRIA. Papa S, Paradies G *Eur J Biochem* 49: 265-74, 1 Nov 74 (Eng)

TRANSPLANT REJECTION

LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)

TRANSPLANTATION, PANCREATIC

[NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLAN-

TATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)

TRANSPORT, ACTIVE

THE MAINTENANCE OF THE ENERGIZED MEMBRANE STATE AND ITS RELATION TO ACTIVE TRANSPORT IN ESCHERICHIA COLL. Rosen BP, Adler LW *Biochim Biophys Acta* 387: 23-36, 14 Apr 75 (Eng)

XENON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciucu L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

EFFECT OF PHOSPHOLIPASE A ON ACTIVE TRANSPORT OF AMINO ACIDS WITH MEMBRANE VESICLES OF MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3699-703, 25 May 75 (Eng)

TRANSPORT, ALANINE

COUPLING OF GLYCINE AND ALANINE TRANSPORT TO RESPIRATION IN CELLS OF ESCHERICHIA COLL. Sprott GD, Dimock K, Martin WG, Schneider H *Can J Biochem* 53: 262-8, Mar 75 (Eng)

TRANSPORT, AMINO ACID

AMINO ACID TRANSPORT IN PERIPHERAL NERVE: ENERGY AND SODIUM DEPENDENCE. Wheeler DD *J Neurochem* 24: 1197-202, Jun 75 (Eng)

NEUTRAL AMINO ACID TRANSPORT IN CULTIVATED HUMAN SKIN FIBROBLASTS (38521). Booth CW, Nader HL *Proc Soc Exp Biol Med* 148: 277-82, Jan 75 (Eng)

TRANSPORT, AMINOISOBUTYRIC ACID

AMINOISOBUTYRIC ACID TRANSPORT IN PRIMARY CULTURES OF NORMAL ADULT RAT HEPATOCYTES. Ayala E, Canonico PG *Proc Soc Exp Biol Med* 149: 1019-22, Sep 75 (Eng)

TRANSPORT, CALCIUM ION

MITOCHONDRIA, CA²⁺ TRANSPORT AND THE REGULATION OF HEART CONTRACTION AND METABOLISM. Carafoli E *J Mol Cell Cardiol* 7: 83-7, Feb 75 (Eng) [40]

TRANSPORT, CARRIER

CRITERIA IN CARRIER TRANSPORT. Wilbrandt W *Biomembranes* 7: 11-31, 1975 (Eng) [22]

TRANSPORT, ELECTRON

THE EFFECTS OF PHOSPHATE AND ELECTRON TRANSPORT ON THE CARBONYL CYANIDE M-CHLOROPHENYL-HYDRAZONE-INDUCED ATPASE OF RAT-LIVER MITOCHONDRIA. Bertina RM, Slater EC *Biochim Biophys Acta* 376: 492-504, 20 Mar 75 (Eng)

TRANSPORT, FLAVONOID

[THE TRANSPORT OF THREE FLAVONOIDS THROUGH ARTIFICIAL AND BIOLOGICAL MEMBRANES. THE TRANSPORT IN VITRO THROUGH A CELLOPHANE MEMBRANE] Crevoisier C, Buriat P, Boucherat J *Pharm Acta Helv* 49: 140-51, 1974 (Fre)

TRANSPORT, SODIUM

TRANSPORT, FREE FATTY ACID

TRANSPORT OF PLASMA FFA IN CATS; EFFECT OF HYPOTHALAMIC STIMULATION. Barkai A, Allweis C *Am J Physiol* 228: 1367-75, May 75 (Eng)

TRANSPORT, GLUCOSE

TIME COURSE OF TERMINATION OF THE GLUCOSE TRANSPORT ACTION OF INSULIN IN ADIPOCYTES. Croftord OB *J Biol Chem* 250: 7089-902, 25 Sep 75 (Eng)

PHYSIOLOGICAL SIGNIFICANCE OF GLUCOSE TRANSPORT IN ENTAMOEBIA HISTOLYTICA. Serrano R, Reeves RE *Exp Parasitol* 37: 411-6, Jun 75 (Eng)

TRANSPORT, ION

ION TRANSPORT THROUGH PORES: TRANSIENT PHENOMENA. Frehland E, Lauger P *J Theor Biol* 47: 189-207, Sep 74 (Eng)

TRANSPORT, MEMBRANE

MEMBRANE TRANSPORT IN HELMINTH PARASITES: A REVIEW. Pappas PW *Exp Parasitol* 37: 469-530, Jun 75 (Eng) [134]

INSTABILITIES, OSCILLATIONS AND CHEMICAL WAVES IN AN OLIGOMERIC MODEL FOR MEMBRANE TRANSPORT. Blumenthal R *J Theor Biol* 49: 219-39, Jan 75 (Eng)

SIMULATION OF DIFFERENTIAL EFFECTS ON RATES IN MEMBRANE TRANSPORT. Harrison LI, Christensen HN *J Theor Biol* 49: 439-59, Feb 75 (Eng)

TRANSPORT, MONOSACCHARIDE

TEMPERATURE DEPENDENCE OF THE ENERGY-LINKED MONOSACCHARIDE TRANSPORT ACROSS THE CELL MEMBRANE OF RHODOTRULIA GRACILIS. Heller KB, Hofer M *J Membr Biol* 21: 261-71, 1975 (Eng)

TRANSPORT, MONOVALENT CATION

THE EFFECT OF PROGESTERONE ON MONOVALENT CATION TRANSPORT INTO THE MITOCHONDRION. Swierczynski J, Aleksandrowicz Z, Zelewski L *Physiol Chem Phys* 5: 37-42, 1973 (Eng)

TRANSPORT, PEPTIDE

PEPTIDE TRANSPORT. Barak Z, Gilvarg C *Biomembranes* 7: 167-218, 1975 (Eng) [157]

TRANSPORT, PLACENTAL

PLACENTAL TRANSPORT OF CREATINE IN THE RAT. Koszalka TR, Jensh RP, Brent RL *Proc Soc Exp Biol Med* 148: 864-9, Mar 75 (Eng)

TRANSPORT, PROTON

DYNAMIC ROLE OF BUFFERS: FACILITATED TRANSPORT OF PROTONS, WEAK ACIDS AND BASES. Engasser JM, Horvath C *Physiol Chem Phys* 6: 541-3, 1974 (Eng)

TRANSPORT, SODIUM

A COMPARISON OF THE EFFECTS OF OUABAIN ON SUGAR AND SODIUM TRANSPORT AND ON CONTRACTILE ACTIVITY OF ISOLATED ATRIA. Bihler I, Sawh PC *Proc West Pharmacol Soc* 18: 106-9, 1975 (Eng)

Diabetes Literature—Keyword Index

TRANSPORT, SODIUM

TRANSPORT, SODIUM ION

RELATIONSHIP BETWEEN L-ALANINE AND SODIUM ION TRANSPORT IN ISOLATED RENAL TUBULES. Endou H, Reuter E, Weber H *Biochim Biophys Acta* 389: 516-29, 21 May 75 (Eng)

TRANSPORT, SUGAR

STIMULATION OF SUGAR TRANSPORT IN RAT DIAPHRAGM BY 8-BROMOGUANOSINE 3', 5'-MONOPHOSPHATE. Pinkett MO, Perlman RL *Biochim Biophys Acta* 399: 473-7, 13 Aug 75 (Eng)

A COMPARISON OF THE EFFECTS OF OUBABIN ON SUGAR AND SODIUM TRANSPORT AND ON CONTRACTILE ACTIVITY OF ISOLATED ATRIA. Bihler I, Sawh PC *Proc West Pharmacol Soc* 18: 106-9, 1975 (Eng)

ASYMMETRY IN HUMAN ERYTHROCYTE SUGAR TRANSPORT. Miller DM *J Biol Chem* 250: 3637-8, 25 May 75 (Eng)

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-955, 1975 (Eng)

TRANSPORT SYSTEM, TRICARBOXYLATE

THE EFFECT OF ADENOSINE TRIPHOSPHATE ON THE TRICARBOXYLATE TRANSPORTING SYSTEM OF RAT LIVER MITOCHONDRIA. Robinson BH, Cheema-Dhadli S, Halperin ML *J Biol Chem* 250: 3639-43, 25 May 75 (Eng)

TRIACYLGLYCEROL

EFFECTS OF DIET AND TYPE IIA HYPERLIPOPROTEINEMIA UPON STRUCTURE OF TRIACYLGLYCEROLS AND PHOSPHATIDYL CHOLINES FROM HUMAN PLASMA LIPOPROTEINS. Gordon DT, Pitas RE, Jensen RG *Lipids* 10: 270-83, May 75 (Eng)

TRIGLYCERIDE, HUMAN PLASMA

HUMAN PLASMA TRIGLYCERIDE LABELING AFTER HIGH SUCROSE FEEDING. II. STUDY ON TRIGLYCERIDE KINETICS AND POSTHEPARIN LIPOLYTIC ACTIVITY. Wu CH, Shreeve WW *Metabolism* 24: 755-66, Jun 75 (Eng)

TRIGLYCERIDE, MEDIUM CHAIN

EFFECTS OF MEDIUM CHAIN TRIGLYCERIDES ON PORTAL AND ARTERIAL LEVELS OF INSULIN, FFA AND GLUCOSE IN PATIENTS WITH PANCREATIC DISEASE. Rojdmarm S *Acta Med Scand* 198: 123-6, Jul-Aug 75 (Eng)

TRIGLYCERIDE, SERUM

STABILITY STUDIES OF TRIGLYCERIDES IN SERUM. Chu SY, Turkington VE *Clin Biochem* 8: 145-7, Apr 75 (Eng)

[FULLY AUTOMATED CONTINUOUS FLOW SYSTEM FOR DETERMINATION OF SERUM TRIGLYCERIDES (AUTHORS TRANSL.)] Coudon B, Bouigne D, Giraudet P *Clin Chim Acta* 55: 129-38, 16 Sep 74 (Fre)

TRITIUM

PREPARATION OF PHOSPHOENOLPYRUVATE AND PYRUVATE SPECIFICALLY LABELED WITH DEUTERIUM AND TRITIUM. Rose IA *Methods Enzymol* 41: 110-5, 1975 (Eng)

TRITIUM LABELING

TRITIUM LABELING OF AMINO ACIDS IN POLYPEPTIDE HORMONES. Hembree WC, Wolf AP, Ehrenkauf RE, Lieberman S *Methods Enzymol* 37 pt b: 313-21, 1975 (Eng)

TSH

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TUBULAR CELL, RENAL

POLARITY OF THE RENAL PROXIMAL TUBULAR CELL: FUNCTION AND ENZYME PATTERN OF THE ISOLATED PLASMA MEMBRANES. Kinne RK *Med Clin North Am* 59: 615-27, May 75 (Eng) [43]

TUBULE, RENAL

RELATIONSHIP BETWEEN L-ALANINE AND SODIUM ION TRANSPORT IN ISOLATED RENAL TUBULES. Endou H, Reuter E, Weber H *Biochim Biophys Acta* 389: 516-29, 21 May 75 (Eng)

TUMOR

DIAGNOSIS AND TREATMENT OF PANCREATIC BETA-CELL TUMOR. Skjoldborg H, Olsen TS, Lundback K, Madsen B *Surg Annu* 7: 219-39, 1975 (Eng) [43]

TUMOURS AND HORMONAL CHANGES PRODUCED IN RATS BY SUBCUTANEOUS INJECTIONS OF LINOLETIC ACID HYDROPEROXIDE. Cutler MG, Schneider R *Food Cosmet Toxicol* 12: 451-9, Aug 74 (Eng)

TURNOVER

[TURNOVER OF NEUTRAL LIPIDS AND PHOSPHOLIPIDS IN RAT LIVER MITOCHONDRIA] Medli FM, Landriscina C, Quagliariello E *Boll Soc Ital Biol Sper* 50: 1324-8, 15 Sep 74 (Ita)

TURTLE (PSEUDOMYS SCRIPTA ELEGANS)

EFFECTS OF PROLONGED DIVING ANOXIA ON THE TURTLE, PSEUDOMYS SCRIPTA ELEGANS. Pennay DG *Comp Biochem Physiol* [A] 47: 933-41, 1 Mar 74 (Eng)

TYROSYL C-PEPTIDE

STUDIES ON POLYPEPTIDES. VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Hedling LG, Larsen UD *Hoppe Seyler's Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

ULCER, DUODENAL

[SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Haussamen TU *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

AN ASSESSMENT OF THE REPRODUCIBILITY AND SAFETY OF 2-DEOXY-D-GLUCOSE AS

A GASTRIC ACID STIMULANT IN DUODENAL ULCER PATIENTS. Gough AL, Keddie NC *Gut* 16: 171-5, Mar 75 (Eng)

ULCER, RECURRENT

THE ACCURACY OF METHODS OF DIAGNOSIS IN PATIENTS WITH SUSPECTED RECURRENT ULCER AFTER VAGOTOMY. Steinberg DM, Green G, Toye DK, Alexander-Williams J *Aust NZ J Surg* 45: 252-6, Aug 75 (Eng)

ULCER, STRESS

SIGNIFICANCE OF GASTRIC SECRETORY CHANGES IN THE PATHOGENESIS OF STRESS ULCERS. Hase T, Anderson PR, Mehlman B *Am J Dig Dis* 20: 443-9, May 75 (Eng)

ULCERATION

VALUE OF PERIOPERATIVE ACID TESTS IN PREDICTING RECURRENT ULCERATION AFTER VAGOTOMY. Hood JM, Spencer EF, Macrae KD, Kennedy T *Br J Surg* 62: 665, Aug 75 (Eng)

ULTRA MICROMETHOD ANALYSIS

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Ninomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

UMBILICAL CORD

UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybalski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)

UNDERNUTRITION EFFECT

EFFECT OF UNDERNUTRITION ON NITROGEN METABOLISM IN THE PREGNANT EWE. Guada JA, Robinson JJ *Proc Nutr Soc* 33: 84a-85a, Dec 74 (Eng)

UNIVERSITY GROUP DIABETES PROGRAM

A PROGRESS REPORT ON THE UNIVERSITY GROUP DIABETES PROGRAM. Prout TE *Int J Clin Pharmacol Biopharm* 12: 244-51, Jul 75 (Eng)

UNLABELED ANTIBODY ENZYME METHOD

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsson SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

UPPER EXTREMITY

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT: VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES; H REFLEX; FACIAL NERVE LATENCY;

TRANSPORT, SODIUM ION

REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L. *Rev Clin Exp* 138: 445-52, 15 Sep 75 (Spa)

UREMIA

PROTEIN METABOLISM IN URAEMIA. Richards P. *Nephron* 14: 134-52, 1975 (Eng) [69]

ABNORMAL RED CELL METABOLISM IN PATIENTS WITH CHRONIC UREMIA: NATURE OF THE DEFECT AND ITS PERSISTENCE DESPITE ADEQUATE HEMODIALYSIS. Yawata Y, Jacob HS. *Blond* 45: 231-9, Feb 75 (Eng)

UREMIC PATIENT

STUDIES ON FORMATION OF COMPLEXES OF INSULIN WITH BASIC PEPTIDES ISOLATED FROM THE PLASMA OF UREMIC PATIENTS. Lutz W. *Acta Med Pol* 16: 159-70, 1975 (Eng)

THE INABILITY OF THE INHIBITOR OF GLUCOSE UTILIZATION ISOLATED FROM THE SERUM OF URAEMIC SUBJECTS TO INHIBIT LEUCOCYTE MIGRATION. Nilus R, Otto L, Dzurik R. *Int Urol Nephrol* 6: 33-4, 1974 (Eng)

URINARY C-PEPTIDE IMMUNOREACTIVITY

DEMONSTRATION OF C-PEPTIDE IMMUNOREACTIVITY IN VARIOUS BODY FLUIDS AND CLINICAL EVALUATION OF THE DETERMINATION OF URINARY C-PEPTIDE IMMUNOREACTIVITY. Kaneko T, Munemura M, Oka H, Oda T, Suzuki S. *Endocrinol Jpn* 22: 207-12, Jun 75 (Eng)

URINARY EXCRETION

THE INFLUENCE OF DIABETIC REGULATION ON THE DIURNAL VARIATION IN BLOOD AND THE URINARY EXCRETION OF KETONE BODIES. STUDIES IN NEWLY DIAGNOSED DIABETICS. Wildenhoff KE. *Acta Med Scand* 198: 127-33, Jul-Aug 75 (Eng)

URINARY TRACT CANCER

COFFEE DRINKING AND CANCER OF THE LOWER URINARY TRACT. Simon D, Yen S, Cole P. *J Natl Cancer Inst* 54: 587-91, Mar 75 (Eng)

URINE

DETERMINATION OF GLUCOSE IN URINE. COMPARISON BETWEEN TESTAPE, CLINITEST, FERMENTATION SACCHAROMETER AND AUTOANALYZER] Kragh PL, Madsen HG. *Ugeskr Laeger* 137: 2308-12, 29 Sep 75 (Dan)

LIPOTATROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYSTROPHY. Foss I, Trygstad O. *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

URINE, HUMAN

IDENTIFICATION OF 4-DEOXY-D-THREOHULULOSE (4-DEOXY-D-FRUCTOSE) IN HUMAN URINE] Strecker G. *C R Acad Sci [D]* (Paris) 279: 1213-6, 30 Sep 74 (Fre)

URINE, RAT

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR. *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

UTERUS, HUMAN

METABOLISM OF PROSTAGLANDIN F₂ALPHA WITHIN THE HUMAN UTERUS IN EARLY PREGNANCY. Keirse MJ, Williamson JG, Turnbull AC. *Br J Obstet Gynaecol* 82: 142-5, Feb 75 (Eng)

VAGOTOMY

VALUE OF PERIOPERATIVE ACID TESTS IN PREDICTING RECURRENT ULCERATION AFTER VAGOTOMY. Hood JM, Spencer EF, Macrae KD, Kennedy T. *Br J Surg* 62: 665, Aug 75 (Eng)

THE ACCURACY OF METHODS OF DIAGNOSIS IN PATIENTS WITH SUSPECTED RECURRENT ULCER AFTER VAGOTOMY. Steinberg DM, Green G, Toye DK, Alexander-Williams J. *Aust NZ J Surg* 45: 252-6, Aug 75 (Eng)

THE EFFECT OF ATROPINE AND VAGOTOMY ON THE SECRETION OF GASTRIC INTRINSIC FACTOR (IF) IN MAN. Vatin MH, Semb LS, Schrumph E. *Scand J Gastroenterol* 10: 59-64, 1975 (Eng)

VAGOTOMY, SELECTIVE PROXIMAL

CLINICAL, SECRETORY AND MOTOR EFFECTS OF SELECTIVE PROXIMAL VAGOTOMY. A THREE-YEAR FOLLOW-UP. Moberg S, Hedenstedt S. *Acta Chir Scand* 141: 203-7, 1975 (Eng)

VAGUS STIMULATION

[SERUM GASTRIN AND H₂SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU. *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

VASCULAR DISEASE

[RISK FACTORS AND VASCULAR DISEASES. EPIDEMIOLOGIC STUDIES FROM A GENERAL PRACTICE] Schultz HJ. *Z Allgemeinmed* 51: 929-38, 31 Jul 75 (Ger)

VELOCITY

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT: VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES: H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L. *Rev Clin Exp* 138: 445-52, 15 Sep 75 (Spa)

VENOM EFFECT, SCORPION

GLYCEMIC EFFECT OF VENOM FROM THE SCORPION BUTHUS MINAX (L. KOCH). el-Asmar M, Soliman SF, Ismail M, Osman OH. *Toxicon* 12: 249-51, May 74 (Eng)

VENOM SAC EXTRACT

HYPERGLYCEMIA PRODUCED BY VESPA ORIENTALIS VENOM SAC EXTRACT. Ishay J. *Toxicon* 13: 221-6, Aug 75 (Eng)

VENOM, SNAKE

PHARMACOLOGICAL STUDIES OF SNAKE (BITIS ARIETANS) VENOM. Osman OH, Gumaa KA. *Toxicon* 12: 569-75, Dec 74 (Eng)

VENOUS ARCHING

[VENOUS ARCHING IN DIABETIC RETINOPATHY (AUTHORS TRANSL.)] Stieber W. *Klin Monatsbl Augenheilkd* 166: 694, May 75 (Ger)

VENOUS THROMBOSIS

PHENFORMIN AND ETHYLOESTRENOL IN RECURRENT VENOUS THROMBOSIS. Nilsson IM, Hedner U, Isacson S. *Acta Med Scand* 198: 107-13, Jul-Aug 75 (Eng)

VENTRICLE, LEFT

INFLUENCE OF SODIUM PALMITATE ON THE CELLULAR ACTION OF POTENTIALS OF THE LEFT VENTRICLE OF ISOLATED, PERFUSED GUINEA-PIG HEART. Wasilewska-Dziubinska E, Czarnecka M, Breczewicz A, Lewartowski B. *Acta Physiol Pol* 26: 1-11, Jan-Feb 75 (Eng)

VENTRICULAR ARRHYTHMIA

[VENTRICULAR ARRHYTHMIA DURING GLUCAGON TEST FOR PHEOCHROMOCYTOMA] Shasha SM, Better OS. *Harefuah* 89: 256-7, 16 Sep 75 (Heb)

VESICLE

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G. *J Membr Biol* 21: 375-955, 1975 (Eng)

VESICLE, BOVINE

CHLORIDE FLUX IN BILAYER MEMBRANES: CHLORIDE PERMEABILITY IN AQUEOUS DISPERSIONS OF SINGLE-WALLED, BILAYER VESICLES. Toyoshima Y, Thompson TE. *Biochemistry* 14: 1525-31, 8 Apr 75 (Eng)

VESPA ORIENTALIS

HYPERGLYCEMIA PRODUCED BY VESPA ORIENTALIS VENOM SAC EXTRACT. Ishay J. *Toxicon* 13: 221-6, Aug 75 (Eng)

VIRUS

VIRUSES IN EXPERIMENTAL AND HUMAN DIABETES. Taylor KW. *Postgrad Med J* 50 SUPPL 3: 546-8, Aug 74 (Eng)

CELL MEMBRANES AND DISEASE. GENES, VIRUSES, HORMONES AND THE IMMUNE RESPONSE—AN INTRODUCTION. Dmochowski L, Bowen JM. *Am J Clin Pathol* 63: 619-28, May 75 (Eng) [32]

VITAMIN DEFICIENCY EFFECT

EFFECTS OF VITAMIN E DEFICIENCY ON GSH-INDUCED SWELLING OF RAT LIVER MITOCHONDRIA. Alojz SO, Ellis LC, Johnson RM, Street JC. *Proc Soc Exp Biol Med* 148: 929-32, Mar 75 (Eng)

Diabetes Literature—Keyword Index

VITAMIN E

VITAMIN E

THE NUTRITIONAL AND METABOLIC ROLES OF SELENIUM AND VITAMIN E. Diplock AT *Proc Nutr Soc* 33: 315-22, Dec 74 (Eng) [41]

VITILIGO

[LETTER: ASSOCIATION OF VITILIGO AND DIABETES MELLITUS] Afchani C Z *Allgemeinmed* 51: 880, 10 Jul 75 (Ger)

VOLUME REGULATION

THE EFFECT OF PRESSURE AND THE VOLUME OF ACTIVATION ON THE MONOVALENT CATION AND GLUCOSE PERMEABILITIES OF LIPOSOMES OF VARYING COMPOSITION. Johnson SM, Miller KW *Biochim Biophys Acta* 375: 286-91, 28 Jan 75 (Eng)

WALLERIAN DEGENERATION

EFFECTS OF ENERGY DEPRIVATION ON WALLERIAN DEGENERATION IN ISOLATED SEGMENTS OF RAT PERIPHERAL NERVE. Schlaepfer WW *Brain Res* 78: 71-81, 20 Sep 74 (Eng)

WEIGHT EFFECT

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spelacy WN, Conly PW, Cleveland WW, Buih WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

XENON ACCUMULATION

XENON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciuca L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

X-IRRADIATION EFFECT

EFFECT OF X-IRRADIATION OF THE BIOCHEMICAL MATURATION OF RAT CEREBELLUM: METABOLISM OF [14C]GLUCOSE AND [14C]ACETATE. Patel AJ, Balazs R *Radiat Res* 62: 456-69, Jun 75 (Eng)

X-RAY

THE RELATION OF CONFORMATION AND ASSOCIATION OF INSULIN TO RECEPTOR BINDING: X-RAY AND CIRCULAR-DICHROISM STUDIES ON BOVINE AND HYPOTRIMORPH INSULINS. Wood SP, Blundell TL *Eur J Biochem* 55: 531-42, 15 Jul 75 (Eng)

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pollen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

YEAST

ATPASE INHIBITOR FROM YEAST MITOCHONDRIA. PURIFICATION AND PROPERTIES. Satre M, de Jerphanion MB, Huet J, Vignais PV *Biochim Biophys Acta* 387: 241-55, 15 May 75 (Eng)

YOUNG

[SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schroter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)

ZINC BACITRACIN TOXICOLOGY

[CHRONIC ZINC-BACITRACIN TOXICITY IN CHICKENS] Simeonov S, Pashov D, Peinikova Ts, Dzhurov A *Vet Med Nauki* 12: 100-5, 1975 (Bul)

ZINC DEFICIENT RAT

[SERUM AND PLASMA INSULIN LEVELS IN ZINC-DEFICIENT RATS FOLLOWING GLUCOSE STIMULATION] Roth HP, Kirchgesner M *Int J Vitam Nutr Res* 45: 201-8, 1975 (Ger)

Diabetes Literature—Author Index

Subject headings are included only under first author.

Aarseth S

[ADVANCES IN INSULIN THERAPY OF DIABETES MELLITUS] Aarseth S *Tidsskr Nor Lægeforen* 95: 1540-4, 30 Sep 75 (Nor)
ARTIFICIAL ORGANS; DIABETES MELLITUS (drug therapy, surgery); ENGLISH ABSTRACT; HUMAN; INSULIN (therapeutic use, immunology); ISLANDS OF LANGERHANS (transplantation); PANCREAS (transplantation); TRANSPLANTATION, HOMOLOGOUS.

Abell DA

EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)

BIRTH WEIGHT; BLOOD SUGAR (analysis); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; HYPERGLYCEMIA (diagnosis); HYPOGLYCEMIA (diagnosis); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (etiology, mortality); PLACENTA DISORDERS (diagnosis); PREGNANCY IN DIABETES; PREGNANCY TRIMESTER, THIRD; PREGNANCY.

Abraira C

ABSENCE OF FACILITATED GLUCOSE DISPOSAL (STAUB-TRAUGOTT EFFECT) IN SUBJECTS WITH HYPOPIUITARISM. Abraira C, Graham LA, Lawrence AM *Metabolism* 24: 1145-55, Oct 75 (Eng)

AGED; BLOOD SUGAR (metabolism); FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE (diagnostic use); HUMAN; HYPOPIUITARISM (physiopathology, blood); INSULIN (blood); MALE; MIDDLE AGE; PITUITARY GLAND (physiology); PITUITARY GLAND, ANTERIOR (physiology); TIME FACTORS.

Acosta AA

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)

APGAR SCORE; BIRTH WEIGHT; ESTROGENS (urine); FEMALE; HUMAN; HYPERTENSION (urine); INFANT MORTALITY; INFANT, NEWBORN; LABOR; PREGNANCY IN DIABETES (urine); PREGNANCY COMPLICATIONS (urine); PREGNANCY COMPLICATIONS, CARDIOVASCULAR (urine); PREGNANCY TOXEMIAS (urine); PREGNANCY TRIMESTER, THIRD; PREGNANCY.

Acosta M

[INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA] Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sanmartin P, Acosta M, Cerdan Vallejo A *Rev Clin Esp* 138: 425-32, 15 Sep 75 (Spa)

Adamson U

ACUTE EFFECTS OF EXOGENOUS GROWTH HORMONE IN MAN: TIME- AND DOSE-BOUND MODIFICATION OF GLUCOSE TOLERANCE AND GLUCOSE-INDUCED INSULIN RELEASE. Adamson U, Cerasi E *Acta Endocrinol (Kbh)* 80: 247-61, Oct 75 (Eng)
ADOLESCENCE; ADULT; DEPRESSION, CHEMICAL; DOSE-RESPONSE

RELATIONSHIP, DRUG; FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism, diagnostic use); HUMAN; INSULIN (secretion); ISLANDS OF LANGERHANS (secretion); MALE; SOMATOTROPIN (pharmacodynamics, administration & dosage); TIME FACTORS.

Adebonojo FO

MONOLAYER CULTURES OF DISAGGREGATED HUMAN ADIPOCYTES. Adebonojo FO *In Vitro* 11: 50-4, Jan-Feb 75 (Eng)

ADIPOSE TISSUE (cytology, metabolism); CELLS, CULTURED; CHILD; CHILD, PRESCHOOL; HUMAN; INFANT; INFANT, NEWBORN; LIPIDS (analysis); TISSUE CULTURE (methods).

STUDIES ON HUMAN ADIPOSE CELLS IN CULTURE: RELATION OF CELL SIZE AND MULTIPLICATION TO DONOR AGE. Adebonojo FO *Yale J Biol Med* 48: 9-16, Mar 75 (Eng)

ABDOMINAL WALL; ADIPOSE TISSUE (cytology); ADOLESCENCE; AGE FACTORS; CATTLE; CELL DIVISION; CELLS, CULTURED; CHILD; CHILD, PRESCHOOL; HUMAN; INFANT; INFANT, NEWBORN.

Adler LW

THE MAINTENANCE OF THE ENERGIZED MEMBRANE STATE AND ITS RELATION TO ACTIVE TRANSPORT IN ESCHERICHIA COLI. Rosen BP, Adler LW *Biochim Biophys Acta* 387: 23-36, 14 Apr 75 (Eng)

Afchani C

[LETTER: ASSOCIATION OF VITILIGO AND DIABETES MELLITUS] Afchani C *Z Allgemed Med* 51: 880, 10 Jul 75 (Ger)
DIABETES MELLITUS (complications); HUMAN; VITILIGO (complications).

Agostini B

[PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS] Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)

ANIMAL EXPERIMENTS; ARTERIOSCLEROSIS (chemically induced); ATHEROSCLEROSIS (pathology, diet therapy, chemically induced); DIET, ATHEROGENIC; LIPOPROTEINS (adverse effects); RABBITS.

Ahonen A

EFFECTS OF GLUCAGON AND INSULIN ON THE PANETH CELLS OF THE MOUSE DUODENUM. Ahonen A, Penttilä A *Experientia* 31: 1074-5, 15 SEP 75 (Eng)

ANIMAL; CYTOPLASMIC GRANULES; DUODENUM (drug effects, cytology, secretion); FEMALE; GLUCAGON (pharmacodynamics); INSULIN (pharmacodynamics); MALE; MICE.

Ajlouni K

THE EFFECT OF ACUTE HYPERCALCEMIA ON GROWTH HORMONE RELEASE IN MAN. Ajlouni K, Hagen TC *J Clin Endocrinol Metab* 40: 780-2, May 75 (Eng)

ADULT; BLOOD SUGAR (metabolism); CALCIUM (blood); HUMAN; HYPERCALCEMIA (physiopathology, blood); MAGNESIUM (blood); MALE; PHOSPHATES (blood); PITUITARY GLAND (secretion); SOMATOTROPIN (secretion, blood); TIME FACTORS.

Akbar M

REGULATION OF THYROID ORNITHINE ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN, I. THE RAT. Richman R, Park S, Akbar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)

Aleksandrowicz Z

THE EFFECT OF PROGESTERONE ON MONOVALENT CATION TRANSPORT INTO THE MITOCHONDRION. Swierczynski J, Aleksandrowicz Z, Zolewski L *Physiol Chem Phys* 5: 37-42, 1973 (Eng)

Alexander-Williams J

THE ACCURACY OF METHODS OF DIAGNOSIS IN PATIENTS WITH SUSPECTED RECURRENT ULCER AFTER VAGOTOMY. Steinberg DM, Green G, Toye DK, Alexander-Williams J *Aust NZ J Surg* 45: 252-6, Aug 75 (Eng)

Ali SS

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

Allis B

PREVENTION OF 6-HYDROXYDOPAMINE NEUROTOXICITY. Cohen G, Allis B, Winston B, Mytilineou C, Heikkilä R *Eur J Pharmacol* 33: 217-21, Aug 75 (Eng)

Allweis C

TRANSPORT OF PLASMA FFA IN CATS; EFFECT OF HYPOTHALAMIC STIMULATION. Barkai A, Allweis C *Am J Physiol* 228: 1367-75, May 75 (Eng)

Almer LO

ON FIBRINOLYSIS IN DIABETES MELLITUS. Almer LO, Nilsson IM *Acta Med Scand* 198: 101-6, Jul-Aug 75 (Eng)

ADOLESCENCE; ADULT; ALPHA MACROGLOBULINS (analysis); BLOOD PRESSURE; CHILD; CHILD, PRESCHOOL; CHOLESTEROL (blood); DIABETES MELLITUS (blood); DIABETIC ANGIOPATHIES (metabolism); FEMALE; FIBRIN FIBRINOGEN DEGRADATION PRODUCTS (analysis); FIBRIN (metabolism); FIBRINOGEN (metabolism); FIBRINOLYSIS; HUMAN; INFANT; INFANT, NEWBORN; MALE; MIDDLE AGE; PLASMINOGEN ACTIVATORS (metabolism); PLASMINOGEN (metabolism); SMOKING; TRIGLYCERIDES (blood); UROKINASE (antagonists & inhibitors).

Alozie SO

EFFECTS OF VITAMIN E DEFICIENCY ON GSH-INDUCED SWELLING OF RAT LIVER MITOCHONDRIA. Alozie SO, Ellis LC, Johnson RM, Street JC *Proc Soc Exp Biol Med* 148: 929-32, Mar 75 (Eng)

ADENOSINE TRIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; AZIDES (pharmacodynamics); CASEIN; CELL MEMBRANE PERMEABILITY; CYANIDES (pharmacodynamics); DIETARY PROTEINS; GLUTATHIONE; MALE; MITOCHONDRIA, LIVER (drug effects); MITOCHONDRIAL

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SWELLING (drug effects); OXYGEN CONSUMPTION; POLYVINYLPIRROLIDONE (pharmacodynamics); RATS; SUCROSE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VITAMIN E DEFICIENCY (metabolism); VITAMIN E (pharmacodynamics).

Alpert NL

AN FDA CLINICAL INSTRUMENT RECALL. Alpert NL *Clin Chem* 21: 782-5, May 75 (Eng)
BLOOD SUGAR (analysis); CHEMISTRY, CLINICAL (instrumentation); DIAGNOSIS, LABORATORY (instrumentation); EQUIPMENT AND SUPPLIES (standards); HUMAN; MALE; TECHNOLOGY, MEDICAL (instrumentation); UNITED STATES FOOD AND DRUG ADMINISTRATION; UNITED STATES.

Alstrup P

METABOLIC STUDIES FOLLOWING THORACOTOMY FOR LUNG CANCER WITH PARTICULAR REFERENCE TO POSTOPERATIVE ATRIAL FIBRILLATION. Alstrup P, Sorensen HR *Scand J Thorac Cardiovasc Surg* 9: 149-53, 1975 (Eng)
AURICULAR FIBRILLATION (etiology, blood); BLOOD SUGAR (metabolism); FATTY ACIDS, NONESTERIFIED (blood); GLYCERIN (blood); HUMAN; INSULIN (blood); LIPIDS (blood); LUNG NEOPLASMS (surgery, blood); POSTOPERATIVE COMPLICATIONS; TRIGLYCERIDES (blood).

Alvarez de la Cadena O

[MANAGEMENT OF PREGNANT DIABETIC PATIENT WITH HIGH RISK PREGNANCY] Arevalo Toledo N, Jimenez Fonseca J, Gonzalez y Gonzalez L, Chavez Hernandez F, Alvarez de la Cadena O, Noriega Guerra L *Ginecol Obstet Mex* 37: 311-21, Jun 75 (Spa)

Anagnostakis D

LETTER: FEEDING AND PLASMA NEFA LEVELS IN NEWBORN INFANTS. Anagnostakis D *J Pediatr* 86: 991-2, Jun 75 (Eng)
BLOOD PLATELETS (analysis); BLOOD PROTEINS (analysis); BLOOD SUGAR (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); GESTATIONAL AGE; GLUCOSE (administration & dosage); HUMAN; INFANT NUTRITION; INFANT, NEWBORN; INFANT, PREMATURE; MILK, HUMAN; TEMPERATURE.

Ancill RJ

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 71-5, May 74 (Eng)

Anderson DM

THE ABSORPTION OF GLUCOSE FROM THE GUT AND THE AMOUNT REMOVED BY THE LIVER IN YOUNG PIGS. Anderson DM, Northrop AJ *Proc Nutr Soc* 33: 91a, Dec 74 (Eng)
ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS; BLOOD FLOW VELOCITY; BLOOD SUGAR (metabolism); GLUCOSE (metabolism); HEPATIC VEINS; INTESTINAL ABSORPTION; INTESTINES (physiology); LIVER (metabolism); MUSCLES (metabolism); PORTAL SYSTEM; REGIONAL BLOOD FLOW; SWINE.

Anderson HJ

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS. Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG *Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

Anderson PR

SIGNIFICANCE OF GASTRIC SECRETORY CHANGES IN THE PATHOGENESIS OF STRESS ULCERS. Hase T, Anderson PR, Mehlman B *Am J Dig Dis* 20: 443-9, May 75 (Eng)

Andres R

AGING AND THE DISPOSITION OF GLUCOSE. Andres R, Tobin JD *Adv Exp Med Biol* 61: 239-49, 1975 (Eng)
ADOLESCENCE; ADULT; AGED; AGING; CHILD; DIABETES MELLITUS (metabolism); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; INSULIN (pharmacodynamics, metabolism); MALE; MIDDLE AGE.

Anjo A

MESANGIAL CHANGES OF THE RENAL GLOMERULUS IN LONG-TERM DIABETIC RATS. Anjo A, Couturier E *Pathol Eur* 10: 21-7, 1975 (Eng)
ALLOXAN DIABETES (pathology); ANIMAL; BASEMENT MEMBRANE (ultrastructure); CELL MEMBRANE (ultrastructure); CELLULAR INCLUSIONS (ultrastructure); CYTOPLASM (ultrastructure); EPITHELIAL CELLS (ultrastructure); KIDNEY GLOMERULUS (pathology); MALE; RATS; TIME FACTORS.

Ansell I

PROCEEDINGS: EFFECT OF THE HISTAMINE H2 RECEPTOR ANTAGONIST, CIMETIDINE, ON INSULIN-INDUCED GASTRIC SECRETION IN MAN. Carter DC, Logan R, Forrest JA, Ansell I, Heading RC *Br J Surg* 62: 664-5, Aug 75 (Eng)

Antonowicz I

CORRELATION OF LACTASE ACTIVITY, LACTOSE TOLERANCE AND MILK CONSUMPTION IN DIFFERENT AGE GROUPS. Leberthal E, Antonowicz I, Shwachman H *Am J Clin Nutr* 28: 595-600, Jun 75 (Eng)

Aoki TT

ALANINE-INDUCED AMINO ACID INTERRELATIONSHIPS. Rossini AA, Aoki TT, Ganda OP, Soeldner JS, Cahill Jr *Metabolism* 24: 1185-92, Oct 75 (Eng)

Appleman MM

THE ROLE OF CYCLIC GMP IN THE REGULATION OF CYCLIC AMP HYDROLYSIS. Terasaki WL, Appleman MM *Metabolism* 24: 311-9, Mar 75 (Eng)

Apstein CS

EFFECT OF PALMITATE ON HYPOXIC CARDIAC PERFORMANCE. Gmeiner R, Apstein CS, Brachfeld N *J Mol Cell Cardiol* 7: 227-35, Apr 75 (Eng)

Arevalo Toledo N

[MANAGEMENT OF PREGNANT DIABETIC PATIENT WITH HIGH RISK PREGNANCY] Arevalo Toledo N, Jimenez Fonseca J, Gonzalez y Gonzalez L, Chavez Hernandez F, Alvarez de la Cadena O, Noriega Guerra L *Ginecol Obstet Mex* 37: 311-21, Jun 75 (Spa)
ADULT; APGAR SCORE; ENGLISH ABSTRACT; FEMALE; FETAL DEATH; HUMAN; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES; INFANT, PREMATURE; MATERNAL AGE; PREGNANCY IN DIABETES (therapy); PREGNANCY.

Arimura A

LETTER: IMMUNOHISTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN THE RAT PANCREAS. Pellétier G, Leclerc R, Arimura A, Schally AV *J Histochem Cytochem* 23: 699-702, Sep 75 (Eng)

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellerstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

THE REGIONAL DISTRIBUTION OF SOMATOSTATIN IN THE RAT BRAIN. Brownstein M, Arimura A, Sato H, Schally AV, Kizer JS *Endocrinology* 96: 1456-61, Jun 75 (Eng)

Asakawa T

THE LAST CONVERSATION WITH DR. EARL W. SUTHERLAND, JR: THE FEEDBACK REGULATION OF CYCLIC NUCLEOTIDES. Ho RJ, Russell T, Asakawa T *Metabolism* 24: 257-64, Mar 75 (Eng)

Asano M

PROCEEDINGS: CUTANEOUS MICROCIRCULATION AND INSULIN SHOCK. Asano M, Okubo C, Ogawa S, Miwa R *J Physiol Soc Jpn* 36: 382, 1 Sep 74 (Eng)
ANIMAL; HYPOGLYCEMIA (physiopathology); INSULIN COMA (physiopathology); MICROCIRCULATION; RABBITS; SKIN (blood supply).

Astrug A

[A STUDY OF RENAL FUNCTION USING RADIOISOTOPE METHODS IN PATIENTS WITH DIABETIC NEPHROPATHY] Astrug A, Shleifman E, Ketskarova S, Todorova L *Vutr Boles* 13: 86-92, 1974 (Bul)
ADOLESCENCE; ADULT; AGED; CHRONIC DISEASE; DIABETIC NEPHROPATHIES (diagnosis, complications); EDTA (diagnostic use); ENGLISH ABSTRACT; FEMALE; GLOMERULAR FILTRATION RATE; HUMAN; IODOHIPURIC ACID (diagnostic use); KIDNEY (blood supply); MALE; MIDDLE AGE; PYELONEPHRITIS (complications); RADIOISOTOPE RENOGRAPHY; RADIOISOTOPES; YTTERBIUM.

Atzpodien W

PLASMA GLYCOSPHINGOLIPIDS IN DIABETICS AND NORMALS. Kremer GJ, Atzpodien W, Schnellbacher E *Klin Wochenschr* 53: 637-8, 1 Jul 75 (Eng)

Aubert P

[VARIOUS TYPES OF ANEMIAS IN THYROID INSUFFICIENCY] Guillausseau PJ, Lainee J, Aubert P *Nouv Presse Med* 4: 181-4, 18 Jun 75 (Fre)

Audebert M

[CONGENITAL HYPERGLYCEMIA WITHOUT KETOSIS] Piuassan C, Saudubray JM, Audebert M, Van Poperinghe M, Risbourg B *Pediatr* 30: 429-31, Jun 75 (Fre)

Aumaitre A

QUANTITATIVE VARIATIONS IN THE ABSORPTION OF GLUCOSE DURING DIGESTION OF MAIZE STARCH IN THE PIG. Rerat A, Aumaitre A, Vaugelade P, Vaissade P *Proc Nutr Soc* 33: 102a-103a, Dec 74 (Eng)

Avogaro P

[CHANGES IN PLASMA LIPIDS IN DIABETES MELLITUS] Avogaro P, Capri C, Cazzolato G, Pais M *Minerva Med* 66: 3388-96, 3 Oct 75 (Ita)
ADULT; AGED; CHOLESTEROL (blood); DIABETES MELLITUS (blood); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; HYPERLIPIDEMIA; KETOSIS, DIABETIC (blood); LIPIDS (blood); LIPOPROTEIN LIPASE (blood); LIPOPROTEINS (blood); MALE; MIDDLE AGE; TRIGLYCERIDES (blood).

Awadalla HN

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); MICE; PANCREAS (metabolism, pathology); SCHISTOSOMA MANSONI; SCHISTOSOMIASIS (metabolism).

Axon ATR

THE EXSORPTION CHARACTERISTICS OF VARIOUS SUGARS. Axon ATR, Creamer B *Gut* 16: 99-104, Feb 75 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism, blood); CELL MEMBRANE PERMEABILITY; CHROMATOGRAPHY, PAPER; CREATINE (blood); DINITROPHENOLS (pharmacodynamics); GALACTOSE (metabolism); GLUCOSE (metabolism); INTESTINAL ABSORPTION; INTESTINAL MUCOSA (drug effects, metabolism); LACTULOSE (metabolism); MANNOSE (metabolism); MOLECULAR WEIGHT; PHLORHIZIN (pharmacodynamics); RABBITS; SODIUM (physiology); XYLOSE (metabolism).

Ayala E

AMINOISOBUTYRIC ACID TRANSPORT IN PRIMARY CULTURES OF NORMAL ADULT RAT HEPATOCYTES. Ayala E, Canonico PG *Proc Soc Exp Biol Med* 149: 1019-22, Sep 75 (Eng)

AMINOISOBUTYRIC ACID (metabolism); ANIMAL; BIOLOGICAL TRANSPORT; CELLS, CULTURED (metabolism); COLD; CYANIDES (pharmacodynamics); GLUCAGON (pharmacodynamics); IODOACETATES (pharmacodynamics); LIVER (metabolism); MALE; RATS.

Ayalon D

MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN. Gefel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

Ayuso-Parrilla MS

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS *Eur J Biochem* 56: 375-83, 15 Aug 75 (Eng)

Azubuike JC

JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL.) Azubuike JC, Gullotta F, Kallfelz HC, Gellissen K, Mende S, Ess R *Neuropediatrics* 6: 292-306, Aug 75 (Ger)

BRAIN DISEASES (chemically induced, pathology, etiology); BRAIN (pathology); CASE REPORT; CHILD; DIABETES MELLITUS (complications); ENGLISH ABSTRACT; FEMALE; GASTROINTESTINAL DISEASES (drug therapy); HUMAN; HYDROXYQUINOLINES (adverse effects); IATROGENIC DISEASE; MEDULLA OBLONGATA (pathology); MUSCLES (pathology); MYOCARDIUM (pathology); PANCREAS (pathology).

Azzopardi J

DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL.) Azzopardi J, Campbell IW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)

ADMINISTRATION, ORAL; AGED; BIOLOGIC AVAILABILITY; BLOOD SUGAR (metabolism); CIRCADIAN RHYTHM; CLINICAL RESEARCH; DIABETES MELLITUS (drug therapy); ENGLISH ABSTRACT; FASTING; FEMALE; GLIPIZIDE (administration & dosage); GLUCOSE TOLERANCE TEST; GLYCOSURIA (metabolism); HUMAN; INSULIN (blood); LONG TERM CARE; MALE; MIDDLE AGE; SULFONYLUREA COMPOUNDS (administration & dosage).

Baba S

[RESULTS OF CONTROL SURVEY FOR BLOOD GLUCOSE DETERMINATION AND ITS EVALUATION (AUTHORS TRANSL.) Baba S, Kamenko E, Mukai M, Tomita J, Tahata K *Jpn J Clin Pathol* 22: 751-5, Nov 74 (Jpn)

BLOOD SUGAR (analysis); HUMAN;

METHODS; QUALITY CONTROL.

Babinet JM

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY]

Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

BLOOD SUGAR (metabolism); CASE REPORT; DIAZOXIDE (therapeutic use); ENGLISH ABSTRACT; FEMALE; GLUCAGON (analysis); GLUCOSE OXIDASE (analysis); GLUCOSE (administration & dosage); HUMAN; HYDROCORTISONE (therapeutic use); HYPERGLYCEMIA (chemically induced); HYPERINSULINISM (complications, etiology); HYPOGLYCEMIA (etiology, surgery); INFANT; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (etiology); INSULIN (analysis); ISLANDS OF LANGERHANS (pathology); ISLET CELL TUMOR (complications); LEUCINE (analysis); PANCREATECTOMY; PANCREATIC NEOPLASMS (complications); RADIOIMMUNOASSAY.

Bader JP

[IN VITRO BIOSYNTHESIS OF THE MACROMOLECULES OF GASTRIC MUCOSA] Waldron-Edward D, Decaens C, Bader JP, Robert L *C R Acad Sci [D] (Paris)* 279: 1397-9, 14 Oct 74 (Fre)

Bagadia VN

DIABETES MELLITUS (A PSYCHOSOMATIC STUDY OF 147 CASES). Bagadia VN, Havaldar PP, Gada MT, Pradhan PV, Shah LP, Dhirawani MK *J Postgrad Med* 21: 17-29, Jan 75 (Eng)

ADULT; CASE REPORT; DEPRESSION (complications); DIABETES MELLITUS (therapy, complications); FEMALE; HUMAN; MALE; NEUROSES, ANXIETY (complications); PSYCHOPHYSIOLOGIC DISORDERS (therapy); PSYCHOTHERAPY, GROUP.

Bailey JF

MUTAROTASE (ALDOSE 1-EPIMERASE) FROM KIDNEY CORTEX. Bailey JF, Fishman PH, Kusniak JW, Mulhern S, Pentchev PG *Methods Enzymol* 41: 471-84, 1975 (Eng)

ANIMAL EXPERIMENTS; CARBOHYDRATE ISOMERASES (isolation & purification, metabolism, analysis); CATTLE; CHROMATOGRAPHY; COLORIMETRY; COMPARATIVE STUDY; ESCHERICHIA COLI (enzymology); EVALUATION STUDIES; GALACTOSE; GEL FILTRATION; GLUCOSE; KIDNEY CORTEX (enzymology); KINETICS; MATHEMATICS; METHODS; MONOSACCHARIDES; OPTICAL ROTATION; PLANTS (enzymology); SPECIES SPECIFICITY; STEREOISOMERS.

Baird CE

CYCLOC NUCLEOTIDE PHOSPHODI-ESTERASE ACTIVITIES OF PIG CORONARY ARTERIES. Wells JN, Baird CE, Wu YJ, Hardman JG *Biochim Biophys Acta* 384: 430-42, 19 Apr 75 (Eng)

Balachandran S

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Lee RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

ANIMAL; CARBON RADIOISOTOPES (diagnostic use); DIPHENYLHYDANTOIN (metabolism, diagnostic use, blood); FEMALE; FISHES; HUMAN; IN VITRO; IODINE ISOTOPES, DIAGNOSTIC; ISLANDS OF LANGERHANS (metabolism); ISLET CELL TUMOR (metabolism, diagnosis); LIVER (metabolism); PANCREAS (metabolism); PANCREATIC NEOPLASMS (metabolism, diagnosis); RADIOISOTOPE SCANNING; RATS; UNITED STATES GOVERNMENT SUPPLIED, N.I.H..

Balavichene G

[RESULTS OF THE TREATMENT OF PATIENTS WITH PEMPHIGUS] Balavichene G *Vestn Dermatol Venerol* 66-9, Aug 75 (Rus)

ADULT; AGED; ANABOLIC STEROIDS (therapeutic use); ANTIBIOTICS (therapeutic use); ANTICOAGULANTS (therapeutic use); CALCIUM (therapeutic use); DRUG EVALUATION; FEMALE; HUMAN; INSULIN (therapeutic use); MALE; MIDDLE AGE; PEMPHIGUS (drug therapy); PREDNISOLONE (therapeutic use); VITAMINS (therapeutic use).

Balazs R

EFFECT OF X-IRRADIATION OF THE BIOCHEMICAL MATURATION OF RAT CEREBELLUM: METABOLISM OF [14C]GLUCOSE AND [14C]ACETATE. Patel AJ, Balazs R *Radiat Res* 62: 456-69, Jun 75 (Eng)

Baldet L

[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)

Baldwin KM

EFFECTS OF THYROID HORMONE ADMINISTRATION ON SKELETAL MUSCLE MITOCHONDRIA. Winder WW, Baldwin KM, Terjung RL, Holloszy JO *Am J Physiol* 228: 1341-5, May 75 (Eng)

Ballard FJ

GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhos O, Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

Bandiside MS

HYPOCHOLESTEROLEMIC ACTIVITY OF COLESTIPOL IN DIABETES. Bandiside MS, Boshell BR *Curr Ther Res* 18: 276-84, Aug 75 (Eng)

ADULT; AGED; BLOOD SUGAR (analysis); CHOLESTEROL (blood); CLINICAL RESEARCH; COLESTIPOL (therapeutic use); DEPRESSION, CHEMICAL; DIABETES MELLITUS (complications, drug therapy); DRUG INTERACTIONS; FEMALE; HUMAN; HYPERCHOLESTEREMIA (drug therapy, complications); INSULIN (therapeutic use); MALE; MIDDLE AGE; PHENFORMIN

Banno Y

(therapeutic use); PLACEBOS; POLYAMINES (therapeutic use); SULFONYLUREA COMPOUNDS (therapeutic use); TRIGLYCERIDES (blood).

Banno Y

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASES UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

AGING; ANIMAL; ESTRADIOL (pharmacodynamics); GLUCAGON (pharmacodynamics); HORMONES (pharmacodynamics); HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); INTESTINAL MUCOSA (enzymology); INTESTINE, SMALL (enzymology, growth & development); LIVER REGENERATION; LIVER (enzymology, growth & development); MALE; MUSCLES (enzymology, growth & development, innervation); ORGAN SPECIFICITY; PEPTIDE HYDROLASES (metabolism); PERIPHERAL NERVES (physiology); RATS; SOMATOTROPIN (pharmacodynamics); STOMACH (enzymology); TIME FACTORS; TRIAMCINOLONE (pharmacodynamics).

Baquet R

[RECENT ACQUISITIONS IN THE FIELD OF ANTI-DIABETIC TREATMENT] Hsine M, Baquet R *Maroc Med* 55: 289-92, Jun 75 (Fre)

Bar RS

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

Barak Z

PEPTIDE TRANSPORT. Barak Z, Gilvarg C *Biomembranes* 7: 167-218, 1975 (Eng) [157] AMINO ACID SEQUENCE; AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; DIPEPTIDES (metabolism); ESCHERICHIA COLI (metabolism); GENETICS, BIOCHEMICAL; INTESTINES (enzymology); MAMMALS; MOLECULAR CONFORMATION; OLIGOPEPTIDES (metabolism); PEPTIDE HYDROLASES (metabolism); PEPTIDES (metabolism); REVIEW; SACCHAROMYCES CEREVISIAE (metabolism).

Baraona E

ACUTE AND CHRONIC EFFECTS OF ETHANOL ON INTESTINAL LIPID METABOLISM. Baraona E, Pirola RC, Lieber CS *Biochim Biophys Acta* 388: 19-28, 18 Apr 75 (Eng)

ALCOHOL, ETHYL (pharmacodynamics); ANIMAL EXPERIMENTS; COENZYME A SYNTHETASES (metabolism); FATTY ACIDS (metabolism); ILEUM (metabolism, drug effects); INTESTINE, SMALL (metabolism); JEJUNUM (metabolism, drug effects); LIPID MOBILIZATION (drug effects); LIPIDS (metabolism); PALMITIC ACIDS (metabolism); RATS; TIME FACTORS; TRIGLYCERIDES (biosynthesis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Barberio G

[BETA 2 SPECIFICITY OF SALBUTAMOL: METABOLIC EVALUATIONS] Gemelli M, Barberio G, De Luca F, Franchina A *Boll Soc Ital Biol Sper* 50: 663-6, 30 May 74 (Ita)

Diabetes Literature—Author Index

Barden N

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

Barenwald G

[ADIPOSE TISSUE OF THE ABDOMINAL WALL IN MAN. HISTOLOGY OF LITERATURE AND ELECTRON MICROSCOPIC STUDY CONCERNING THE MORPHOLOGICAL ADIPOSE TISSUE RESEARCH. II. OWN ELECTRON MICROSCOPIC STUDIES ON THE ABDOMINAL WALL ADIPOSE TISSUE IN MAN] Hegewald G, Barenwald G, Schwanengel H *Anat Anz* 136: 462-93, 1974 (Ger)

Barkai A

TRANSPORT OF PLASMA FFA IN CATS; EFFECT OF HYPOTHALAMIC STIMULATION. Barkai A, Allweis C *Am J Physiol* 228: 1367-75, May 75 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CARBON RADIOISOTOPES; CATS; ELECTRIC STIMULATION; FATTY ACIDS, NONESTERIFIED (metabolism, blood); HYPOTHALAMUS (physiology); INFUSIONS, PARENTERAL; INJECTIONS, INTRAVENOUS; KINETICS; MODELS, BIOLOGICAL; PALMITIC ACIDS (metabolism, administration & dosage); REGRESSION ANALYSIS; TIME FACTORS; TRITIUM.

Barker D

[DETERMINATION OF THE DISTRIBUTION OF GAMMA FUSIMOTOR AXONS IN THE CAT BY GLYCOGENIC DEPLETION] Barker D, Emonet-Denand F, Harker D, Jami L, Laporte Y *C R Acad Sci [D] (Paris)* 279: 1595-8, 4 Nov 74 (Fre)

ANIMAL EXPERIMENTS; AXONS; CATS; CELL NUCLEUS; ELECTRIC STIMULATION; GLYCOGEN (metabolism); HISTOLOGICAL TECHNIQUES; MOTOR NEURONS; MUSCLE CONTRACTION; MYOFIBRILS (metabolism); NEUROMUSCULAR SPINDLES (cytology); STAINS AND STAINING.

Barker RW

NMR STUDIES ON PHOSPHOLIPID BILAYERS. SOME FACTORS AFFECTING LIPID DISTRIBUTION. Berden JA, Barker RW, Radda GK *Biochim Biophys Acta* 375: 186-208, 28 Jan 75 (Eng)

Barnett JL

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

AGE FACTORS; ANALYSIS OF VARIANCE; ANIMAL EXPERIMENTS; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); BODY WEIGHT; DIABETES INSIPIDUS (familial & genetic, blood); FEMALE; GENOTYPE; GLYCOGEN (analysis); GONADS; HEART; HEMATOCRIT; HEMOGLOBINS (analysis); KIDNEY; LIPIDS (blood); LIVER (analysis); MALE; ORGAN WEIGHT; POTASSIUM (blood); RATS, INBRED STRAINS; SEX FACTORS; SODIUM (blood); SPLEEN.

Baron P

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Oikienitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

Barontini de Moyano MB

THE RENIN-ANGIOTENSIN SYSTEM IN DIABETES MELLITUS. Hauger-Klevenec JH, Barontini de Moyano MB *Acta Physiol Lat Am* 24: 419-24, 1974 (Eng)

Barrucand D

[NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLANTATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)

Barsukov LI

INTERVESICULAR PHOSPHOLIPID EXCHANGE. AN NMR STUDY. Barsukov LI, Shapiro YE, Viktorov AV, Volkova VI, Bystron VF, Bergelson LD *Chem Phys Lipids* 14: 211-26, May 75 (Eng)

BIOLOGICAL TRANSPORT; CARRIER PROTEINS; LECITHINS; LIPOSOMES; MOLECULAR CONFORMATION; NUCLEAR MAGNETIC RESONANCE; PHOSPHATIDYL CHOLINE; PHOSPHATIDYL INOSITOL; PHOSPHOINOSITIDES.

Barta L

SIMULTANEOUS OCCURRENCE OF DIABETES, LIVER CIRRHOSIS, AND 47, XX,21 & 46, XX CHROMOSOMAL PATTERN. Barta L, Kemeny P, Regoly-Merci A *Arch Dis Child* 50: 573-4, Jul 75 (Eng)

ADOLESCENCE; BIOPSY; CASE REPORT; CHILD; CHROMOSOME ABNORMALITIES (complications); DIABETES MELLITUS, JUVENILE (complications); DOWNS SYNDROME (complications); FEMALE; HUMAN; LIVER CIRRHOSIS (complications, pathology); LIVER (pathology).

Bass L

CURRENT-VOLTAGE RELATIONS IN NERVE MEMBRANES. Bass L *J Theor Biol* 48: 133-40, Nov 74 (Eng)

ANIMAL EXPERIMENTS; AXONS (physiology, metabolism); CELL MEMBRANE PERMEABILITY; DIFFUSION; MATHEMATICS; MEMBRANE POTENTIALS; MODELS, NEUROLOGIC; NEURONS (physiology, metabolism); SQUID; TOADS.

Batchelor JR

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Batchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

Beck P

ALTERATIONS OF LIPID METABOLISM BY CONTRACEPTIVE STEROIDS. Beck P *J Steroid Biochem* 6: 957-9, Jun 75 (Eng) [58]

CHOLESTEROL (blood); CONTRACEPTIVES, ORAL (pharmacodynamics); FEMALE; GLUCAGON (metabolism); HUMAN; LIVER (metabolism, drug effects); REVIEW; TRIGLYCERIDES (metabolism, blood).

Beck U

PLASMA GROWTH HORMONE AND SLOW WAVE SLEEP INCREASE AFTER INTERRUPTION OF SHEEP. Beck U, Brezina V, Hunter WM, Oswald I *J Clin Endocrinol Metab* 40: 812-5, May 75 (Eng)

ADULT; ELECTROENCEPHALOGRAPHY; ELECTROMYOGRAPHY; ELECTROOCULOGRAPHY; HUMAN; MALE; RADIOIMMUNOASSAY; SLEEP DEPRIVATION; SLEEP; SLEEP, REM; SOMATOTROPIN (blood); TIME FACTORS; WAKEFULNESS.

Beger HG

[GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION. MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS

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Berndt I

(AUTHORS TRANSL.) Bittner R, Beger HG, Kraas E, Roscher R *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)

Behar-Bannelier M

AN EVALUATION OF TECHNIQUES FOR LABELLING THE SURFACE PROTEINS OF CULTURED MAMMALIAN CELLS. Juliano RL, Behar-Bannelier M *Biochim Biophys Acta* 375: 249-67, 28 Jan 75 (Eng)

Beierwaltes WH

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Lee RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

Beischer NA

EVALUATION OF THE THREE-HOUR ORAL GLUCOSE TOLERANCE TEST IN DETECTION OF SIGNIFICANT HYPERGLYCEMIA AND HYPOGLYCEMIA IN PREGNANCY. Abell DA, Beischer NA *Diabetes* 24: 874-80, Oct 75 (Eng)

Belanger A

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

Belfiore F

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS. Belfiore F, Rabuazzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

ADIPOSE TISSUE (enzymology); AGED; BODY WEIGHT; DIABETES MELLITUS (enzymology); GLUCOSE (metabolism); GLYCOLYSIS; HEXOSEDIPHOSPHATASE (metabolism); HUMAN; ISOMERASES (metabolism); KREBS CYCLE; LYASES (metabolism); MIDDLE AGE; NADH, NADPH OXIDOREDUCTASES (metabolism); PHILIPPINES; PYRUVATE CARBOXYLASE (metabolism); TRANSFERASES (metabolism).

Belinski Y

PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissmann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

Bellingham WP

LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WP, Martin GM *Brain Res* 96: 156-60, 10 Oct 75 (Eng)

Belova TA

[THE FUNCTIONAL STATE OF THE SYMPATHETIC-ADRENAL AND PITUITARY-ADRENOCORTICAL SYSTEMS DURING CHRONIC NEURO-EMOTIONAL STRESS] Belova TA, Vasiliev VN *Probl Endokrinol (Mosk)* 21: 27-32, Mar-Apr 75 (Rus)

ADRENAL MEDULLA (physiology); ADULT; CIRCADIAN RHYTHM; DOPA (urine); DOPAMINE (urine); ENGLISH ABSTRACT; EPINEPHRINE (urine); HUMAN; MIDDLE AGE; NOREPINEPHRINE (urine); OCCUPATIONS; PITUITARY-ADRENAL SYSTEM (physiology); RAILROADS; STRESS, PSYCHOLOGICAL; SYMPATHETIC NERVOUS SYSTEM (physiology); WORK; 17-HYDROXYCORTICOSTEROIDS (urine).

Bender KJ

INTERPRETING LABORATORY DATA. MONITORING THE GERIATRIC PATIENT. Bender KJ, Grams RR *J Am Pharm Assoc* 15: 21-3, Jan 75 (Eng)

AGED; ALKALINE PHOSPHATASE (blood); BLOOD SUGAR; BLOOD UREA NITROGEN; CHOLESTEROL (blood); FOLIC ACID (blood); HUMAN; IRON (blood); MONITORING SYSTEMS; PATIENTS; SERUM ALBUMIN (analysis); URIC ACID (blood).

Benedini M

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etievent J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

Bensouda JD

[NEW PATHS OF RESEARCH IN DIABETES. PANCREATIC TRANSPLANTS AND IMPLANTATION OF LANGERHANS B CELLS] Bensouda JD, Barrucand D *Maroc Med* 55: 324-6, Jun 75 (Fre)

ANIMAL; DIABETES MELLITUS (therapy); HUMAN; ISLANDS OF LANGERHANS (transplantation); PANCREAS (transplantation); RATS; TRANSPLANTATION, HOMOLOGOUS.

Bentsen N

CHRONICALLY IMPAIRED AUTOREGULATION OF CEREBRAL BLOOD FLOW IN LONG-TERM DIABETICS. Bentsen N, Larsen B, Lassen NA *Stroke* 6: 497-502, Sep-Oct 75 (Eng)

ADULT; AGED; CEREBROVASCULAR CIRCULATION; CHRONIC DISEASE; DIABETIC ANGIOPATHIES (physiopathology); FEMALE; HOMEOSTASIS; HUMAN; MALE; MIDDLE AGE.

Berardi RS

LUMBAR SYMPLECTOMY IN THE TREATMENT OF PERIPHERAL VASCULAR OCCLUSIVE DISEASE. TEN YEAR STUDY. Berardi RS, Sirospour D *Am J Surg* 130: 309-14, Sep 75 (Eng)

ADULT; AGED; AMPUTATION; ARTERIAL OCCLUSIVE DISEASES (therapy, complications); CORONARY DISEASE (complications); DIABETES MELLITUS (complications); FEMALE; GANGRENE (therapy, surgery); HUMAN; HYPERTENSION (complications); INTERMITTENT CLAUDICATION (therapy); LEG ULCER (therapy, surgery); LEG (blood supply); LUMBOSACRAL REGION; MALE; MIDDLE AGE; PULSE; SYMPLECTOMY (adverse effects).

Bercovici JP

[DEVELOPMENT OF HEMOCHROMATOSES] Bercovici JP, Leuzinger D *Nouv Presse Med* 4: 2257-8, 27 Sep 75 (Fre)

ADRENAL GLAND NEOPLASMS; ADULT; ALPHA FETOPROTEINS (analysis); CASE REPORT; ENGLISH ABSTRACT; ERYTHROPOIETIN (analysis); HEART NEOPLASMS; HEMOCHROMATOSIS (complications, blood); HEPATOMA (etiology); HUMAN; HYPOGLYCEMIA (etiology); IRON (blood, metabolism); LIVER NEOPLASMS (etiology); LIVER (metabolism); LUNG NEOPLASMS; MALE; NEOPLASM METASTASIS; POLYCYTHEMIA (etiology); PRECANCEROUS CONDITIONS.

Berden JA

NMR STUDIES ON PHOSPHOLIPID BILAYERS. SOME FACTORS AFFECTING LIPID DISTRIBUTION. Berden JA, Barker RW, Radda GK *Biochim Biophys Acta* 375: 186-208, 28 Jan 75 (Eng)

BINDING SITES; EGG YOLK; FERRICYANIDES; HYDROGEN-ION CONCENTRATION; LECITHINS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; MOLECULAR CONFORMATION; NUCLEAR MAGNETIC RESONANCE; PHOSPHATIDYL CHOLINE; PHOSPHATIDYL ETHANOLAMINE; PHOSPHOLIPIDS; SONICATION.

Berecewicz A

INFLUENCE OF SODIUM PALMITATE ON THE CELLULAR ACTION OF POTENTIALS OF THE LEFT VENTRICLE OF ISOLATED, PERFUSED GUINEA-PIG HEART. Wasilewska-Dziubinska E, Czarnecka M, Berecewicz A, Lewartowski B *Acta Physiol Pol* 26: 1-11, Jan-Feb 75 (Eng)

Berenson GS

LIPOPROTEIN-ACID MU-COPOLYSACCHARIDE COMPLEXES OF HUMAN ATHEROSCLEROTIC LESIONS. Srinivasan SR, Radhakrishnamurthy B, Parganekar PS, Berenson GS, Dolan P *Biochim Biophys Acta* 388: 58-70, 18 Apr 75 (Eng)

A STUDY OF CONNECTIVE TISSUE MACROMOLECULES IN SKIN OF MICE WITH GOLDTHIOGLUCOSE-INDUCED OBESITY. Dalferes ER Jr, Radhakrishnamurthy B, Crouch MS, Berenson GS *Proc Soc Exp Biol Med* 148: 918-24, Mar 75 (Eng)

Berg G

[SERUM LIPOPROTEIDS AND KETONE BODIES AFTER CONSTANT INFUSION OF SORBITOL I.V. (AUTHORS TRANSL.)] Berg G, Matzki F *Klin Wochenschr* 53: 187-8, 15 Feb 75 (Ger)

ACETOACETATES (blood); DOSE-RESPONSE RELATIONSHIP, DRUG; ENGLISH ABSTRACT; GLYCEROPHOSPHATES; GOUT (blood, metabolism); HUMAN; HYDROXYBUTYRATES (blood); HYPERLIPEMIA (metabolism, blood); INFUSIONS, PARENTERAL; KETONE BODIES (blood); LIPOPROTEINS (blood); MALE; OBESITY (metabolism, blood); SORBITOL (administration & dosage, pharmacodynamics); TRIGLYCERIDES (blood); VEINS.

Bergelson LD

INTERVESICULAR PHOSPHOLIPID EXCHANGE. AN NMR STUDY. Barsukov LI, Shapiro YE, Viktorov AV, Volkova VI, Bystrov VF, Bergelson LD *Chem Phys Lipids* 14: 211-26, May 75 (Eng)

Berman AL

[EFFECT OF THE MICROBIAL POLYSACCHARIDE, PROTEISANE, ON CERTAIN CARBOHYDRATES METABOLIC INDICES] Morozova EA, Efimtseva EP, Berman AL *Antibiotiki* 19: 1009-11, Nov 74 (Rus)

Berndt H

[SEMI-SYNTHETIC SHEEP DES-AI-GLYCINE INSULIN (AUTHORS TRANSL.)] Berndt H, Gattner HG, Zahn H, Hoppe Seyler Z *Physiol Chem* 356: 1469-72, Sep 75 (Ger)

CIRCULAR DICHROISM; DISULFIDES; ENGLISH ABSTRACT; GLYCINE; INSULIN (analogs & derivatives, chemical synthesis, isolation & purification); MERCAPTOETHANOL; PROTEIN CONFORMATION; SHEEP.

Berndt I

[PHYSICAL EDUCATIONAL VIEWPOINTS ON THE PREVENTION OF OBESITY IN CHILDHOOD] Berndt I, Rehs HJ, Rutenfranz J *Oeff Gesundheitswes* 37: 1-9, Jan 75 (Ger)

ATTITUDE, CHILD; ENGLISH ABSTRACT; FEMALE; HUMAN; LEISURE ACTIVITIES; MALE; MOTIVATION; OBESITY (prevention &

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control); PHYSICAL EDUCATION AND TRAINING; PHYSICAL FITNESS; SCHOOL HEALTH.

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NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE-CONVERTING ENZYMES AND ADENOSINE TRIPHOSPHATE CITRATE LYASE IN SOME TISSUES AND ORGANS OF NEW ZEALAND OBESE MICE WITH SPECIAL REFERENCE TO THE ENZYME PATTERN OF THE PANCREATIC ISLETS. Berne C *J Histochem Cytochem* 23: 660-5, Sep 75 (Eng)
ANIMAL; ATP CITRATE LYASE (metabolism); FEMALE; GLUTATHIONE REDUCTASE (metabolism); ISLANDS OF LANGERHANS (enzymology); ISOCITRATE DEHYDROGENASE (metabolism); KETOACID-LYASES (metabolism); KIDNEY CORTEX (enzymology); KINETICS; MALATE DEHYDROGENASE (metabolism); MICE; MICE, OBESE (metabolism); MUSCLES (enzymology); MYOCARDIUM (enzymology); NADP (metabolism); PANCREAS (enzymology).

Bertani G

EFFECTS OF MESENTERIC-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

Berthillier G

A RECEPTOR FOR UDP-GLUCOSE IN THE MICROSOMAL MEMBRANES OF RAT HEPATOCYTES Frot-Coutaz J, Berthillier G, Got R *FEBS Lett* 52: 81-4, 15 Mar 75 (Fre)

Bertina RM

THE EFFECTS OF PHOSPHATE AND ELECTRON TRANSPORT ON THE CARBONYL CYANIDE M-CHLOROPHENYL-HYDRAZONE-INDUCED ATPASE OF RAT-LIVER MITOCHONDRIA. Bertina RM, Slater EC *Biochim Biophys Acta* 376: 492-504, 20 Mar 75 (Eng)

ADENOSINE TRIPHOSPHATASE (biosynthesis); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; ANTIMETABOLITES (pharmacodynamics); CYANIDES (pharmacodynamics); ENZYME INDUCTION (drug effects); HYDRAZONES (pharmacodynamics); MITOCHONDRIA, LIVER (enzymology, drug effects); NITRILES (pharmacodynamics); OLIGOMYCIN (pharmacodynamics); OSMOLAR CONCENTRATION; PHOSPHATES (pharmacodynamics); PHOSPHATES, INORGANIC (pharmacodynamics); POTASSIUM CHLORIDE (pharmacodynamics); RATS; ROTENONE (pharmacodynamics).

Besch NF

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)

Besch PK

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)

Bessman SP

PROTOTYPE FOR AN IMPLANTABLE INSULIN DELIVERY PUMP. Thomas LJ, Bessman SP *Proc West Pharmacol Soc* 18: 393-8, 1975 (Eng)

Diabetes Literature—Author Index

Better OS

[VENTRICULAR ARRHYTHMIA DURING GLUCAGON TEST FOR PHEOCHROMOCYTOMA] Shasha SM, Better OS *Harefuah* 89: 256-7, 16 Sep 75 (Heb)

Bewley TA

THE CHEMISTRY OF HUMAN PITUITARY GROWTH HORMONE. Bewley TA, Li CH *Adv Enzymol* 42: 73-166, 1975 (Eng) [169]
AMINO ACID SEQUENCE; AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; BIOLOGICAL ASSAY; CHROMATOGRAPHY, EXCLUSION; CIRCULAR DICHROISM; DISULFIDES (analysis); DRUG STABILITY; GUANIDINES; HUMAN; HYDROGEN-ION CONCENTRATION; ISOELECTRIC FOCUSING; MOLECULAR WEIGHT; NITRO COMPOUNDS; OPTICAL ROTATORY DISPERSION; PITUITARY GLAND (analysis); PROLACTIN; PROTEIN BINDING; PROTEIN CONFORMATION; REVIEW; SOMATOTROPIN (analysis); SPECIES SPECIFICITY; SPECTROMETRY, FLUORESCENCE; SPECTROPHOTOMETRY, ULTRAVIOLET; TRYPSIN.

Bide RW

GAS CHROMATOGRAPHY OF KREBS CYCLE AND RELATED ACIDS ON SILAR 10C. Bide RW *Clin Biochem* 8: 148-50, Apr 75 (Eng)
CARBOXYLIC ACIDS (analysis); CHROMATOGRAPHY, GAS (methods); CITRATES (analysis); FUMARATES (analysis); INDICATORS AND REAGENTS; KREBS CYCLE; LACTATES (analysis); MALATES (analysis); MALEATES (analysis); OXALATES (analysis); PYRUVATES (analysis); SUCCINATES (analysis); TEMPERATURE; TIME FACTORS.

Bienfait HF

MITOCHONDRIAL OXYGEN AFFINITY AS A FUNCTION OF REDOX AND PHOSPHATE POTENTIALS. Bienfait HF, Jacobs JM, Slater EC *Biochim Biophys Acta* 376: 446-57, 20 Mar 75 (Eng)
ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; ANTIMETABOLITES (pharmacodynamics); BINDING SITES; ELECTRON TRANSPORT; KINETICS; MATHEMATICS; MITOCHONDRIA, LIVER (metabolism, drug effects); OXIDATION-REDUCTION; OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION (drug effects); POTENTIOMETRY; RATS.

Bierman EL

EVIDENCE FOR DIABETES MELLITUS AND GENETIC FORMS OF HYPERTRIGLYCERIDEMIA AS INDEPENDENT ENTITIES. Brunzell JD, Hazzard WR, Motulsky AG, Bierman EL *Metabolism* 24: 1115-21, Oct 75 (Eng)

REVERSIBLE ABNORMALITIES IN POSTHEPARIN LIPOLYTIC ACTIVITY DURING THE LATE PHASE OF RELEASE IN DIABETES MELLITUS (POSTHEPARIN LIPOLYTIC ACTIVITY IN DIABETES). Brunzell JD, Porte D Jr, Bierman EL *Metabolism* 24: 1123-37, Oct 75 (Eng)

DIETARY CARBOHYDRATES AND HYPERLIPIDEMIC STATES IN MAN. Bierman EL *Nutr Metab* 18 suppl 1: 108-1C, 1975 (Eng)
BLOOD SUGAR (metabolism); CHOLESTEROL; DIET; DIETARY CARBOHYDRATES (metabolism); DIETARY FATS; GLUCOSE (metabolism); HUMAN; HYPERLIPIDEMIA (metabolism); HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (metabolism); INSULIN (blood); LIPOPROTEINS, VLDL (blood); TIME FACTORS; TRIGLYCERIDES (blood).

Bihler I

A COMPARISON OF THE EFFECTS OF OUABAIN ON SUGAR AND SODIUM TRANSPORT AND ON CONTRACTILE ACTIVITY OF ISOLATED ATRIA. Bihler I, Sawh PC *Proc West Pharmacol Soc* 18: 106-9, 1975 (Eng)
ANIMAL; BIOLOGICAL TRANSPORT (drug effects); CARBOHYDRATES (metabolism); COMPARATIVE STUDY; GUINEA PIGS; HEART ATRIUM (drug effects); IN VITRO; INSULIN (pharmacodynamics); MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (metabolism); OUABAIN (pharmacodynamics); RATS; SODIUM (metabolism).

Billette J

ROLES OF THE AV JUNCTION IN DETERMINING THE VENTRICULAR RESPONSE TO ATRIAL FIBRILLATION. Billette J, Roberge FA, Nadeau RA *Can J Physiol Pharmacol* 53: 575-85, Aug 75 (Eng)
ACETYLCHOLINE (pharmacodynamics); ANIMAL; ATRIOVENTRICULAR NODE (physiopathology, drug effects); AURICULAR FIBRILLATION (physiopathology); DOGS; ELECTROCARDIOGRAPHY; GLUCAGON (pharmacodynamics); HEART CONDUCTION SYSTEM (physiopathology); HEART RATE (drug effects); HEART VENTRICLE (physiopathology); ISOPROTERENOL (pharmacodynamics); ISOPROTHALIDIN (analogs & derivatives, pharmacodynamics); TIME FACTORS.

Birkhauser M

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)
ALDOSTERONE (blood); FEMALE; HUMAN; HYDROCORTISONE (blood); HYPOTITUITARISM (blood); INJECTIONS, INTRAVENOUS; MALE; MSH (pharmacodynamics, administration & dosage); SOMATOTROPIN (pharmacodynamics, blood, administration & dosage); STIMULATION, CHEMICAL; TIME FACTORS.

Biron P

[REHABILITATION OF ORAL HYPOGLYCEMIC AGENTS] Biron P *Union Med Can* 104: 1421-4, Sep 75 (Fre)
ADMINISTRATION, ORAL; CARDIOVASCULAR DISEASES (chemically induced, mortality); DIABETES MELLITUS (drug therapy); HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use, adverse effects, administration & dosage).

Bittner R

[GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION, MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS] (AUTHORS TRANSL.) Bittner R, Beger HG, Kraus E, Roscher R *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)
ABDOMEN (surgery); ADULT; AGED; BLOOD SUGAR (metabolism); ENGLISH ABSTRACT; FEMALE; GLUCOSE (metabolism); HUMAN; INSULIN (secretion, blood); KINETICS; MALE; MIDDLE AGE; TIME FACTORS.

Bizzi A

PROCEEDINGS: THE DISPOSITION OF L-(3-H) - NORADRENALINE BY THE ISOLATED EPIDIDYMAL FAT PAD OF THE RAT AND THE EFFECT OF ANTILIPOLYTIC AGENTS. Bizzi A, Codegani AM, Luzzani F, Manara L, Tacconi MT *Br J Pharmacol* 52: 449p-450p, Nov 74 (Eng)
ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS; ANTILIPIDIC AGENTS

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Bosseckert H

(pharmacodynamics); DESIPRAMINE (pharmacodynamics); EPIDIDYMIS (metabolism); FEMALE; IN VITRO; NICOTINIC ACIDS (pharmacodynamics); NOREPINEPHRINE (metabolism); PYRAZOLES (pharmacodynamics); RATS; RESERPINE (pharmacodynamics); SORBITOL (metabolism); TIME FACTORS.

Black JW

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPHEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetze B, Spaulding H, Summers R, Wood D *J Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

Blaskovics ME

DRUG INTERACTION: DIAZOXIDE AND DIPHENHYLDANTOIN. Roe TF, Podosin RL, Blaskovics ME *J Pediatr* 87: 480-4, Sep 75 (Eng)

Blomberg F

ENZYME POLYMORPHISM IN RAT-LIVER MICROSOMES AND PLASMA MEMBRANES. I. AN IMMUNOCHEMICAL STUDY OF MULTISUBUNIT COMPLEXES AND OTHER ENZYME-ACTIVE ANTIGENS. Blomberg F, Raf-tell M *Eur J Biochem* 49: 21-9, 1 Nov 74 (Eng)

ADENOSINE TRIPHOSPHATASE (metabolism); ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; ANTIGENS; CELL MEMBRANE (enzymology, immunology); ESTERASES (metabolism, antagonists & inhibitors); FEMALE; IMMUNOELECTROPHORESIS; LEUCINE AMINOPEPTIDASE (metabolism); MICROSOMES, LIVER (enzymology, immunology); MULTISUBUNIT COMPLEXES (analysis); NAD; NUCLEOSIDES; OXIDOREDUCTASES (metabolism); PHOSPHATASES (metabolism); PHOSPHOLIPASE (metabolism); PHYSIOLOGICAL; RABBITS (immunology); RATS; TETRAZOLIUM SALTS.

Bloom A

REGISTER OF NEWLY DIAGNOSED DIABETIC CHILDREN. Bloom A, Hayes TM, Gamble DR *Br Med J* 3: 580-3, 6 Sep 75 (Eng)

ADOLESCENCE; AGE FACTORS; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (familial & genetic); DIABETES MELLITUS, JUVENILE (occurrence); FEMALE; GREAT BRITAIN; HUMAN; MALE; MEDICAL HISTORY TAKING; REGISTRIES; SEASONS; SEX FACTORS.

Bloom SR

PROCEEDINGS: DIURNAL RHYTHM OF GASTRIN AND GLUCAGON. Ellis BW, Russell RC, Bloom SR, Dudley HA *Br J Surg* 62: 664, Aug 75 (Eng)

Blumenbach L

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

ADMINISTRATION, ORAL; ANIMAL; BLOOD SUGAR (metabolism); COMPARATIVE STUDY; DOGS; FATTY ACIDS, NONESTERIFIED (blood); GLIBENCLAMIDE (pharmacodynamics); GLUCOSE (pharmacodynamics); HAMSTERS; HUMAN; HYPOGLYCEMIC AGENTS (pharmacodynamics, metabolism); INJECTIONS, INTRAVENOUS; INSULIN (blood, secretion); KINETICS; PYRIMIDINES (pharmacodynamics, metabolism); RATS; STEREOISOMERS; SULFONAMIDES (pharmacodynamics, metabolism); THEOPHYLLINE

(pharmacodynamics); TOLBUTAMIDE (pharmacodynamics).

Blumenthal R

INSTABILITIES, OSCILLATIONS AND CHEMICAL WAVES IN AN OLIGOMERIC MODEL FOR MEMBRANE TRANSPORT. Blumenthal R *J Theor Biol* 49: 219-39, Jan 75 (Eng)

ACTION POTENTIALS; BIOLOGICAL TRANSPORT; CELL MEMBRANE PERMEABILITY; DIFFUSION; MEMBRANE POTENTIALS; MODELS, BIOLOGICAL; PHOSPHATIDYL CHOLINE (metabolism); PHOSPHOLIPIDS (metabolism); PROTEIN BINDING; PROTEIN CONFORMATION.

Blumgart LH

CHRONIC PANCREATITIS IN CHILDHOOD ASSOCIATED WITH MUMPS VIRUS INFECTION. Wood CB, Bradbrook RA, Blumgart LH *Br J Clin Pract* 28: 67-9, Feb 74 (Eng)

Blundell TL

THE RELATION OF CONFORMATION AND ASSOCIATION OF INSULIN TO RECEPTOR BINDING: X-RAY AND CIRCULAR-DICHROISM STUDIES ON BOVINE AND HYSTERICOMORPH INSULINS. Wood SP, Blundell TL *Eur J Biochem* 55: 531-42, 15 Jul 75 (Eng)

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

Boaz DP

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Filer LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

Boda Z

[DIABETES MELLITUS AND ADDISON'S DISEASE] Boda Z, Orosz L, Misz M, Szabo G, Gergely P, Kulcsar A *Orv Hetil* 116: 2249-50, 21 Sep 75 (Hun)

ADDISON'S DISEASE (complications, immunology); ADULT; AUTOIMMUNE DISEASES (immunology); CASE REPORT; DIABETES MELLITUS (complications, immunology); HUMAN; MALE.

Bogacheva TI

A STUDY OF THE MECHANISM OF ACTION OF PHOSPHORYLASE B USING ISOTOPE-LABELLED SUBSTRATES. Firsov LM, Bogacheva TI, Bresler SE *Mol Biol* 8: 454-60, Jan 75 (Eng)

Boillot A

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etievent J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

Bombay JD

PREPARATION AND CHARACTERIZATION OF A HORMONE ANTAGONIST FROM ADIPOCYTES. Ho RJ, Bombay JD, Wasner HK, Sutherland EW *Methods Enzymol* 37 pt B: 431-8, 1975 (Eng)

Booth CW

NEUTRAL AMINO ACID TRANSPORT IN CULTIVATED HUMAN SKIN FIBROBLASTS (3521). Booth CW, Nader HL *Proc Soc Exp Biol Med* 148: 277-82, Jan 75 (Eng)

AGE FACTORS; ALANINE (metabolism); AMINO ACIDS (metabolism); BIOLOGICAL TRANSPORT; CELLS, CULTURED; COPPER

(pharmacodynamics); DACTINOMYCIN (pharmacodynamics); FIBROBLASTS (metabolism); HUMAN; KINETICS; LEUCINE (metabolism); OUABAIN (pharmacodynamics); PARABENS (pharmacodynamics); SKIN (metabolism); SODIUM (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Borg I

THE INSULIN TEST: NEGATIVE AND POSITIVE TESTS VERSUS NUMERICAL VALUES. Emas S, Borg I *Scand J Gastroenterol* 10: 609-16, 1975 (Eng)

Borgeat P

CHARACTERISTICS OF ACTION OF PROSTAGLANDINS ON CYCLIC AMP ACCUMULATION IN RAT ANTERIOR PITUITARY GLAND. Borgeat P, Labrie F, Garneau P *Can J Biochem* 53: 455-60, Apr 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; CALCIUM (pharmacodynamics); KINETICS; PITUITARY GLAND (metabolism, drug effects); PITUITARY GLAND, ANTERIOR (metabolism, drug effects); PROSTAGLANDINS (pharmacodynamics); RATS; SOMATOTROPIN (metabolism); STRUCTURE-ACTIVITY RELATIONSHIP; TIME FACTORS.

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicœur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

Bornemisza G

EXPERIMENTAL PANCREAS TRANSPLANTATION. Bornemisza G, Furka I, Gyurko G, Szentkereszty B, Miko I *Acta Chir Acad Sci Hung* 15: 343-52, 1974 (Eng)

ANIMAL EXPERIMENTS; CHLORIDES (blood); DOGS; HEMORRHOGE (etiology); INTESTINAL MUCOSA (anatomy & histology); PANCREAS (transplantation, anatomy & histology, blood supply); POSTOPERATIVE COMPLICATIONS; POTASSIUM (blood); SODIUM (blood); TRANSPLANTATION, HOMOLOGOUS.

Borner S

[THE CHRONICALLY ILL AND DISABLED CHILD: A PSYCHOLOGICAL TASK OF PEDIATRICS. PART II: SPECIAL PROBLEMS OF VARIOUS DISEASES (AUTHORS TRANSL.)] Borner S, Steinhäuser HC *Klin Paediatr* 187: 413-23, Sep 75 (Ger)

CHILD DEVELOPMENT; CHILD; CHRONIC DISEASE; DIABETES MELLITUS, JUVENILE; DWARFISM; EDUCATION, SPECIAL; ENGLISH ABSTRACT; EPILEPSY; FEMALE; GERMANY, WEST; HANDICAPPED; HEART DEFECTS, CONGENITAL; HEMODIALYSIS; HEMOPHILIA; HUMAN; KIDNEY (transplantation); MALE; MENTAL RETARDATION; NEOPLASMS.

Borzi V

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS. Belfiore F, Rabuazzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

Boshell BR

HYPOCHOLESTEROLEMIC ACTIVITY OF COLESTIPOL IN DIABETES. Bandiside MS, Boshell BR *Curr Ther Res* 18: 276-84, Aug 75 (Eng)

Bosseckert H

[LACTASE DEFICIENCY] Bosseckert H Z *Gesamte Inn Med* 29: 601-5, 1 Aug 74 (Ger) [23]

Diabetes Literature—Author Index

Bossi E

BLOOD SUGAR (metabolism); CARBOHYDRATES (metabolism); CARBON RADIOISOTOPES; DIARRHEA, INFANTILE (etiology); DIGESTION; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); GALACTOSEMIA; HUMAN; INFANT; INFANT, NEWBORN; LACTOSE INTOLERANCE (diagnosis, complications, diet therapy, enzymology); LACTOSE (diagnostic use); REVIEW.

Bossi E

[NEONATAL HYPOGLYCEMIA. A REVIEW ON PATHOPHYSIOLOGY, CLINICAL ASPECTS AND TREATMENT (AUTHORS TRANSL.) Bossi E *Praxis* 64: 1214-9, 23 Sep 75 (Ger)

ENGLISH ABSTRACT; HUMAN; HYPOGLYCEMIA (physiopathology, diagnosis, therapy); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (physiopathology, diagnosis, therapy).

Botalla L

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Luzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

Bottermann P

[COMPARATIVE USE OF GLIQUIDONE AND TOLBUTAMIDE ADMINISTERED INTRAVENOUSLY] Zilker T, Luders L, Bottermann P *Munch Med Wochenschr* 117: 1421-2, 5 Sep 75 (Ger)

[EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Zilker T, Walddhaler A, Ermler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)

Boucherat J

[THE TRANSPORT OF THREE FLAVONOIDS THROUGH ARTIFICIAL AND BIOLOGICAL MEMBRANES. THE TRANSPORT IN VITRO THROUGH A CELLOPHANE MEMBRANE] Crevoisier C, Buriot P, Boucherat J *Pharm Acta Helv* 49: 140-51, 1974 (Fre)

Bougie D

[FULLY AUTOMATED CONTINUOUS FLOW SYSTEM FOR DETERMINATION OF SERUM TRIGLYCERIDES (AUTHORS TRANSL.) Coudon B, Bougie D, Giraudet P *Clin Chim Acta* 55: 129-38, 16 Sep 74 (Fre)

Bouwman H

[RELATIONSHIP BETWEEN THE HEALTH OF HORSES AND FEEDING RATIONS CONSISTING OF PELLETTED CONCENTRATES ALONE. II. CLINICO-CHEMICAL EXAMINATION OF THE BLOOD (AUTHORS TRANSL.) Bouwman H, Schotman AJ *Tijdschr Diergeneesk* 100: 138-45, 1 Feb 75 (Dut)

ACID-BASE EQUILIBRIUM; ALANINE AMINOTRANSFERASE (blood); ALKALINE PHOSPHATASE (blood); ANIMAL EXPERIMENTS; ANIMAL FEED; ASCORBIC ACID (blood); ASPARTATE AMINOTRANSFERASE (blood); BLOOD CELL COUNT; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); BLOOD; CHLORIDES (blood); CREATINE KINASE (blood); ENGLISH ABSTRACT; GLUTAMYL TRANSPEPTIDASE (blood); HEMATOCRIT; HEMOGLOBINS; HORSES; HYDROGEN-ION CONCENTRATION; LACTATE DEHYDROGENASE (blood); PHOSPHATES (blood); POTASSIUM (blood); SODIUM (blood).

Bowen JC

PHARMACOLOGIC EFFECTS OF GASTROINTESTINAL HORMONES ON INTESTINAL OXYGEN CONSUMPTION AND BLOOD FLOW. Bowen JC, Pawlik W, Fang WF, Jacobson ED *Surgery* 78: 515-9, Oct 75 (Eng)

ACETYLCHOLINE (pharmacodynamics, antagonists & inhibitors); ANIMAL; ATROPINE (pharmacodynamics); CHOLECYSTOKININ (pharmacodynamics); DOGS; FEMALE; GASTROINTESTINAL HORMONES (pharmacodynamics); GLUCAGON (pharmacodynamics, antagonists & inhibitors); INTESTINES (blood supply, metabolism); MALE; OXYGEN CONSUMPTION (drug effects); PENTAGASTRIN (pharmacodynamics, antagonists & inhibitors); PHENOLYBENZAMINE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); REGIONAL BLOOD FLOW (drug effects); SECRETIN (pharmacodynamics); VASODILATOR AGENTS (pharmacodynamics).

Bowen JM

CELL MEMBRANES AND DISEASE. GENES, VIRUSES, HORMONES AND THE IMMUNE RESPONSE—AN INTRODUCTION. Dmochowski L, Bowen JM *Am J Clin Pathol* 63: 619-28, May 75 (Eng) [32]

Brachfeld N

EFFECT OF PALMITATE ON HYPOXIC CARDIAC PERFORMANCE. Gmeiner R, Apstein CS, Brachfeld N *J Mol Cell Cardiol* 7: 227-35, Apr 75 (Eng)

Bradbrook RA

CHRONIC PANCREATITIS IN CHILDHOOD ASSOCIATED WITH MUMPS VIRUS INFECTION. Wood CB, Bradbrook RA, Blumgart LH *Br J Clin Pract* 28: 67-9, Feb 74 (Eng)

Brady RO

[35-S]SULFATE INCORPORATION INTO MYELIN GLYCOPROTEINS; II. PERIPHERAL NERVOUS TISSUE. Matthieu JM, Everly JL, Brady RO, Quarles RH *Biochim Biophys Acta* 392: 167-74, 5 May 75 (Eng)

Braithwaite GD

THE EFFECT OF GROWTH HORMONE ON CALCIUM METABOLISM IN THE SHEEP. Braithwaite GD *Br J Nutr* 33: 309-14, May 75 (Eng)

AGE FACTORS; ANIMAL EXPERIMENTS; BONE AND BONES (metabolism, drug effects); CALCIUM RADIOISOTOPES; CALCIUM (metabolism); CATTLE; ESTROGENS (pharmacodynamics); FECES (analysis); INJECTIONS, SUBCUTANEOUS; MALE; PHOSPHORUS (metabolism); SHEEP (metabolism); SOMATOTROPIN (pharmacodynamics, blood); TIME FACTORS.

Branch LB

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPHEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetze B, Spaulding H, Summers R, Wood D *J Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

Brazeau P

SOMATOSTATIN ANALOGS. RELATIVE IMPORTANCE OF THE DISULFIDE BRIDGE AND OF THE ALA-GLY SIDE CHAIN FOR BIOLOGICAL ACTIVITY. Rivier J, Brazeau P, Vale W, Guillemin R *J Med Chem* 18: 123-6, Feb 75 (Eng)

Bremer J

STUDIES ON THE ACTIVE TRANSFER OF REDUCING EQUIVALENTS INTO MITOCHONDRIA VIA THE MALATE-

ASPARTATE SHUTTLE. Bremer J, Davis EJ *Biochim Biophys Acta* 376: 387-97, 20 Mar 75 (Eng)

ADENOSINE TRIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; ARSENIC (pharmacodynamics); ASPARTIC ACID (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; CARNITINE (pharmacodynamics); DINITROPHENOLS (pharmacodynamics); ELECTRON TRANSPORT; GLUTAMATES (pharmacodynamics); HYDROXYBUTYRATES (pharmacodynamics); MALATES (metabolism); MITOCHONDRIA, LIVER (metabolism, drug effects); NAD (metabolism); OLIGOMYCIN (pharmacodynamics); OXIDATION-REDUCTION; PALMITIC ACIDS (pharmacodynamics); RATS; ROTENONE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Brennan MF

GLYCEROL: MAJOR CONTRIBUTOR TO THE SHORT TERM PROTEIN SAVING EFFECT OF FAT EMULSIONS IN NORMAL MAN. Brennan MF, Fitzpatrick GF, Cohen KH, Moore FD *Ann Surg* 182: 386-94, Oct 75 (Eng)

DIETARY CARBOHYDRATES (metabolism); DIETARY FATS (metabolism); ELECTROLYTES (metabolism); EMULSIONS; FATS (pharmacodynamics, metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); GLYCERIN (pharmacodynamics, metabolism); HUMAN; INSULIN (metabolism); MALE; NITROGEN (metabolism); PROTEINS (metabolism); TRIGLYCERIDES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Brent RL

PLACENTAL TRANSPORT OF CREATINE IN THE RAT. Kozsalka TR, Jensh RP, Brent RL *Proc Soc Exp Biol Med* 148: 864-9, Mar 75 (Eng)

Bresler SE

A STUDY OF THE MECHANISM OF ACTION OF PHOSPHORYLASE B USING ISOTOPE-LABELLED SUBSTRATES. Firsov LM, Bogacheva TI, Bresler SE *Mol Biol* 8: 454-60, Jan 75 (Eng)

Bretag AH

LETTER: THE STARZAK MEMBRANE CONDUCTANCE MODEL: A COMMENT. Bretag AH, Hurst CA, Kerr DI *J Theor Biol* 48: 477-9, Dec 74 (Eng)

CELL MEMBRANE (physiology); ELECTRIC CONDUCTIVITY; MODELS, BIOLOGICAL; MOLECULAR CONFORMATION.

Bretschneider HJ

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL.) Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ *Anaesthesist* 23: 101-4, Mar 74 (Ger)

Bretz R

THE SELF-ASSOCIATION OF ATP: THERMODYNAMICS AND GEOMETRY. Heyn MP, Bretz R *Biophys Chem* 3: 35-45, Feb 75 (Eng)

Brezinova V

PLASMA GROWTH HORMONE AND SLOW WAVE SLEEP INCREASE AFTER INTERRUPTION OF SHEEP. Beck U, Brezinova V, Hunter WM, Oswald I *J Clin Endocrinol Metab* 40: 812-5, May 75 (Eng)

Brobyn RD

THE HUMAN TOXICOLOGY OF DIMETHYL SULFOXIDE. Brobyn RD *Ann NY Acad Sci* 243: 497-506, 27 Jan 75 (Eng)

ADMINISTRATION, TOPICAL; ALKALINE PHOSPHATASE (blood); ASPARTATE AMINOTRANSFERASE (blood); BLOOD SUGAR; BLOOD UREA NITROGEN; BONE MARROW (drug effects); CEREBROSPINAL FLUID PROTEINS (metabolism); DIMETHYL SULFOXIDE (adverse effects, administration & dosage); ELECTROCARDIOGRAPHY; EOSINOPHILIA (chemically induced); EYE DISEASES (chemically induced); HUMAN; LUNG (drug effects); PROTHROMBIN TIME; SCLERODERMA, SYSTEMIC (chemically induced); TIME FACTORS; VISION DISORDERS (chemically induced).

Brodie AF

EFFECT OF PHOSPHOLIPASE A ON THE STRUCTURE AND FUNCTIONS OF MEMBRANE VESICLES FROM MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3690-8, 25 May 75 (Eng)

EFFECT OF PHOSPHOLIPASE A ON ACTIVE TRANSPORT OF AMINO ACIDS WITH MEMBRANE VESICLES OF MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3699-703, 25 May 75 (Eng)

Brown AM

SURVEY OF DIETARY POLICY AND MANAGEMENT IN BRITISH DIABETIC CLINICS. Truswell AS, Thomas BJ, Brown AM *Br Med J* 4: 7-11, 4 Oct 75 (Eng)

Brown DR

STUDIES IN CALCIUM METABOLISM IN INFANTS WITH INTRAUTERINE GROWTH RETARDATION. Tsang RC, Gigger M, Oh W, Brown DR *J Pediatr* 86: 936-41, Jun 75 (Eng)

Brown JE

CERTAIN NON-AUDITORY PHYSIOLOGICAL RESPONSES TO NOISES. Brown JE, Thompson RN, Folk ED *Am Ind Hyg Assoc J* 36: 285-91, Apr 75 (Eng)

ACOUSTIC TRAUMA (physiopathology); AGE FACTORS; AVIATION MEDICINE; BLOOD PRESSURE; BLOOD SUGAR; CARDIOVASCULAR SYSTEM (physiopathology); CHOLESTEROL (blood); COMPARATIVE STUDY; HEART RATE; HUMAN; MALE; NOISE; RETROSPECTIVE STUDIES; SOCIOECONOMIC FACTORS.

Brown RE

LETTER: EXCESSIVE FREE FATTY ACIDEMIA AND THE ENCEPHALOPATHY IN REYES SYNDROME. Brown RE *N Engl J Med* 292: 1297-8, 12 Jun 75 (Eng)

BRAIN DISEASES (blood); FATTY ACIDS, NONESTERIFIED (blood, metabolism); HUMAN; REYES SYNDROME (blood, metabolism).

Brown RV

ATHEROSCLEROSIS IN FAMILIAL LINES OF PIGEONS FED EXOGENOUS CHOLESTEROL. Patton NM, Brown RV, Middleton CC *Atherosclerosis* 21: 147-54, Mar-Apr 75 (Eng)

Brownstein M

THE REGIONAL DISTRIBUTION OF SOMATOSTATIN IN THE RAT BRAIN. Brownstein M, Arimura A, Sato H, Schally AV, Kizer JS *Endocrinology* 96: 1456-61, Jun 75 (Eng)

ANIMAL EXPERIMENTS; BRAIN CHEMISTRY; BRAIN STEM (analysis); CEREBRAL CORTEX (analysis); DIENCEPHALON (analysis); FEMALE; MESENCEPHALON (analysis); OLFACTORY BULB (analysis); ORGAN SPECIFICITY; PINEAL BODY (analysis); PREOPTIC AREA (analysis); RATS; SOMATOTROPIN RELEASE INHIBITING HORMONE (analysis).

Brugmann G

[HEREDITARY DEFICIENCY OF ISOMALTASE AND SACCHARASE RESPONSIBLE FOR A MALABSORPTION SYNDROME (AUTHORS TRANSL.) Niessen KH, Brugmann G, Schmidt K *Klin Paediatr* 187: 163-70, Mar 75 (Ger)

Brummel MC

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Ier LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

Bruno CA

FAILURE OF FREE FATTY ACIDS TO INFLUENCE DEGREE OF MYOCARDIAL INJURY FOLLOWING ACUTE CORONARY ARTERY OCCLUSION IN PIGS. Most AS, Capone RJ, Szydlak P, Bruno CA, DeVona TS *Cardiology* 59: 201-12, 1974 (Eng)

Bruns W

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knosp S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

ADULT; BLOOD SUGAR (metabolism); CARBOHYDRATE METABOLISM, INBORN ERRORS (diagnosis, diet therapy); CLOFIBRATE (therapeutic use); DIABETES MELLITUS (diagnosis, diet therapy); DIAGNOSIS, DIFFERENTIAL; ENGLISH ABSTRACT; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; HYPERLIPEMIA (complications); INSULIN (blood); LIPIDS (blood); MALE; MIDDLE AGE; OBESITY IN DIABETES (complications); TRIGLYCERIDES (blood).

Brunzell JD

EVIDENCE FOR DIABETES MELLITUS AND GENETIC FORMS OF HYPERTRIGLYCERIDEMIA AS INDEPENDENT ENTITIES. Brunzell JD, Hazzard WR, Motulsky AG, Bierman EL *Metabolism* 24: 1115-21, Oct 75 (Eng)

ADULT; AGED; DIABETES MELLITUS (familial & genetic, blood, complications); FEMALE; HUMAN; HYPERLIPEMIA, ESSENTIAL FAMILIAL (familial & genetic, complications); MALE; MIDDLE AGE; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

REVERSIBLE ABNORMALITIES IN POSTHEPARIN LIPOLYTIC ACTIVITY DURING THE LATE PHASE OF RELEASE IN DIABETES MELLITUS (POSTHEPARIN LIPOLYTIC ACTIVITY IN DIABETES). Brunzell JD, Porte D Jr, Bierman EL *Metabolism* 24: 1123-37, Oct 75 (Eng)

ADULT; DIABETES MELLITUS (metabolism, enzymology, complications, drug therapy); FEMALE; HEPARIN (diagnostic use); HUMAN; HYPERLIPEMIA (complications); HYPERLIPEMIA, ESSENTIAL FAMILIAL (complications); INSULIN (therapeutic use); LIPIDS (metabolism); LIPOPROTEIN LIPASE (metabolism); MALE; MIDDLE AGE; SULFONYLUREA COMPOUNDS (therapeutic use); TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

HUMAN ADIPOSE TISSUE LIPOPROTEIN LIPASE: COMPARISON OF ASSAY METHODS AND EXPRESSIONS OF ACTIVITY. Pukalist OJ, Smith PH, Brunzell JD *Proc Soc Exp Biol Med* 148: 297-300, Jan 75 (Eng)

Brynger H

STUDIES ON THE DUCT-LIGATED PANCREAS AS ALLOGRAFT FOR ISLET CELL FUNCTION. Brynger H *Acta Chir Scand [Suppl]* 1-28, 1975 (Eng)

AMYLASE (blood); ANIMAL; ARGININE (diagnostic use); BLOOD SUGAR (analysis); COMPARATIVE STUDY; DIABETES MELLITUS (surgery); DOGS; FEMALE; GLUCAGON (blood); HUMAN; INSULIN (blood); ISLANDS OF LANGERHANS (physiology, ultrastructure); LIGATION; MALE; MIDDLE AGE; ORGAN PRESERVATION; PANCREAS (transplantation); PANCREATCTOMY; PANCREATIC DUCTS (physiology); TRANSPLANTATION, ALLOGENEIC.

Buc J

REGULATORY BEHAVIOR OF MONOMERIC ENZYMES. 2. A WHEAT-GERM HEXOKINASE AS A MNEMONICAL ENZYME. Meunier JC, Buc J, Navarro A, Ricard J *Eur J Biochem* 49: 209-23, 1 Nov 74 (Eng)

Buchanan KD

NEONATAL SECRETION OF SECRETIN. Rogers IM, Davidson DC, Lawrence J, Buchanan KD *Arch Dis Child* 50: 120-2, Feb 75 (Eng)

Bueding E

ANATOMICAL LOCALIZATION OF GLUCOSE UPTAKE BY SCHISTOSOMA MANSONI ADULTS. Rogers SH, Bueding E *Int J Parasitol* 5: 369-71, Jun 75 (Eng)

Buente H

[LETTER: INDICATIONS FOR PANCREAS RESECTION] Buente H *Munch Med Wochenschr* 117: 1438, 5 Sep 75 (Ger)

CHRONIC DISEASE; DIABETES MELLITUS (etiology); DUODENUM (surgery); HUMAN; MALABSORPTION SYNDROMES (etiology); PANCREAS (injuries); PANCREATCTOMY (adverse effects); PANCREATIC CYST (surgery); PANCREATIC NEOPLASMS (surgery); PANCREATITIS (surgery).

Buhi WS

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spellacy WN, Conly PW, Cleveland WW, Buhi WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

Buhring M

[COMPARATIVE DETERMINATION OF BLOOD SUGAR USING DEXTROSTIX AND REFLECTORIC MEASUREMENT] Buhring M, Keller H *Med Welt* 26: 390-2, 28 Feb 75 (Ger)

AUTOANALYSIS; BLOOD SUGAR (analysis); COMPARATIVE STUDY; HUMAN; INDICATORS AND REAGENTS; METHODS; REAGENT STRIPS.

Buriel P

[THE TRANSPORT OF THREE FLAVONOIDS THROUGH ARTIFICIAL AND BIOLOGICAL MEMBRANES. THE TRANSPORT IN VITRO THROUGH A CELLOPHANE MEMBRANE] Crevoisier C, Buriel P, Boucherat J *Pharm Acta Helv* 49: 140-51, 1974 (Fre)

Burke CW

POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)

Burke G

REGULATION OF THYROID ORNITHINE ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN. I. THE RAT. Richman R,

Diabetes Literature—Author Index

Burke JP

Park S, Akbar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)

Burke JP

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

Burns TW

SITE OF FREE-FATTY-ACID INHIBITION OF LIPOLYSIS BY HUMAN ADIPOCYTES. Burns TW, Langley PE, Robinson GA *Metabolism* 24: 265-76, Mar 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (metabolism, enzymology); ANIMAL EXPERIMENTS; DEPRESSION, CHEMICAL; EPINEPHRINE (pharmacodynamics); FLUORIDES (pharmacodynamics); GLYCERIN (metabolism); IN VITRO; ISOPROTERENOL (pharmacodynamics); KINETICS; LIPIDS (metabolism); OLEIC ACIDS (pharmacodynamics); SERUM ALBUMIN (metabolism); STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Bursztejn C

[RELATION BETWEEN ENDOCRINOLOGY AND PSYCHIATRY. SOME RECENT DEVELOPMENTS] Bursztejn C *Nouv Presse Med* 4: 493-4, 496-9, 15 Feb 75 (Fre)

CORTICOTROPIN (physiology); DEPRESSION (etiology); ENDOCRINE DISEASES (physiopathology, complications); ENGLISH ABSTRACT; HUMAN; HYPOTHALAMO-HYPOPHYSAL SYSTEM (physiopathology); LH-FSH RELEASING HORMONE (physiology); MEMORY; MSH (physiology); PITUITARY HORMONE RELEASING HORMONES (physiology); PITUITARY HORMONES (physiology); PROLACTIN (physiology); SOMATOTROPIN (physiology); THYROTROPIN RELEASING HORMONE (physiology).

Buttram VC Jr

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)

Byard JL

EXCRETION AND METABOLISM OF SACCCHARIN IN MAN. II. STUDIES WITH 14-C-LABELLED AND UNLABELLED SACCCHARIN. Byard JL, McChesney EW, Goldberg L, Coulston F *Food Cosmet Toxicol* 12: 175-84, Apr 74 (Eng)

ADULT; CARBON RADIOISOTOPES; CHROMATOGRAPHY, GAS; CHROMATOGRAPHY, THIN LAYER; FECES (analysis); HUMAN; MALE; MIDDLE AGE; SACCCHARIN (metabolism, urine); TIME FACTORS.

Byrne JJ

CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrne JJ, White RJ *Comp Biochem Physiol* [A] 50: 709-15, 1 Apr 75 (Eng)

ADAPTATION, PHYSIOLOGICAL; ADIPOSE TISSUE (anatomy & histology, metabolism); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); BODY WEIGHT; FEMALE; GLYCOGEN (metabolism); LIPIDS

(metabolism); LIVER GLYCOGEN (metabolism); LIVER (metabolism); MUSCLES (metabolism); ORGAN WEIGHT; OVARY (anatomy & histology); OVIDUCTS (anatomy & histology); RANA CATESBEIANA (metabolism); SEASONS; TIME FACTORS.

Bystrov VF

INTERVESICULAR PHOSPHOLIPID EXCHANGE. AN NMR STUDY. Barsukov LI, Shapiro YE, Viktorov AV, Volkova VI, Bystrov VF, Bergelson LD *Chem Phys Lipids* 14: 211-26, May 75 (Eng)

Cabezas-Cerrato J

[INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerrato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Esp* 138: 107-11, 31 Jul 75 (Spa)

ADOLESCENCE; ADULT; CHILD; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (pharmacodynamics, blood); FEMALE; GLUCAGON (pharmacodynamics); HUMAN; MALE; PITUITARY GLAND (physiology, drug effects); SOMATOTROPIN (antagonists & inhibitors, blood); STIMULATION, CHEMICAL; TIME FACTORS.

Caccamo A

MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiomello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

Cahill GF Jr

ALANINE-INDUCED AMINO ACID INTER-RELATIONSHIPS. Rossini AA, Aoki TT, Ganda OP, Soeldner JS, Cahill GF Jr *Metabolism* 24: 1185-92, Oct 75 (Eng)

Cahour A

[REFERENCE METHOD FOR THE ESTIMATION OF GLYCAEMIA BY GAS-LIQUID CHROMATOGRAPHY (AUTHORS TRANSL)] Cahour A, Lebbe J, Hartmann L *Clin Chim Acta* 55: 139-46, 16 Sep 74 (Fre)

BLOOD SUGAR (analysis); CHROMATOGRAPHY, GAS (methods); COLORIMETRY; COMPARATIVE STUDY; ENGLISH ABSTRACT; GLUCOSE OXIDASE; IMIDAZOLES; METHANE; TOLUIDINES.

Camelot G

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elhaz J, Etievent J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

AMYLASE (secretion); ANIMAL EXPERIMENTS; BICARBONATES (secretion); BLOOD SUGAR; CALCIUM (secretion); CHLORIDES (secretion); DOGS; DUODENUM (transplantation); ENGLISH ABSTRACT; HYDROGEN-ION CONCENTRATION; IMMUNOSUPPRESSION; LIPASE (secretion); PANCREAS (transplantation, secretion); PANCREATIC JUICE (secretion); POTASSIUM (secretion); SECRETORY RATE; SODIUM (secretion); TRANSPLANTATION, HOMOLOGOUS.

Campbell IW

[DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL)] Azzopardi J, Campbell IW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)

Campbell J

THE PREPARATION OF SEVERAL NEW NYLON TUBE-GLUCOSE OXIDASE DERIVA-

TIVES AND THEIR INCORPORATION INTO THE REAGENTLESS AUTOMATED ANALYSIS OF GLUCOSE. Campbell J, Hornby WE, Morris DL *Biochim Biophys Acta* 384: 307-16, 19 Apr 75 (Eng)

AMINES; ASPERGILLUS (enzymology); AUTOANALYSIS; DRUG STABILITY; GLASS; GLUCOSE OXIDASE; GLUCOSE (analysis); LYSINE; METHODS; NYLON; PROTEIN BINDING; TEMPERATURE.

Canaani Z

[CONTROL OF DIABETES BY DIET ALONE IN PATIENTS RECEIVING ORAL HYPOGLYCEMIC DRUGS] Dreyfuss G, Canaani Z *Harefuah* 89: 254-6, 16 Sep 75 (Heb)

Canonica PG

AMINOISOBUTYRIC ACID TRANSPORT IN PRIMARY CULTURES OF NORMAL ADULT RAT HEPATOCYTES. Ayala E, Canonico PG *Proc Soc Exp Biol Med* 149: 1019-22, Sep 75 (Eng)

Capone RJ

FAILURE OF FREE FATTY ACIDS TO INFLUENCE DEGREE OF MYOCARDIAL INJURY FOLLOWING ACUTE CORONARY ARTERY OCCLUSION IN PIGS. Most AS, Capone RJ, Szydluk P, Bruno CA, DeVona TS *Cardiology* 59: 201-12, 1974 (Eng)

Capri C

[CHANGES IN PLASMA LIPIDS IN DIABETES MELLITUS] Avogaro P, Capri C, Cazzolato G, Pais M *Minerva Med* 66: 3388-96, 3 Oct 75 (Ita)

Carafoli E

MITOCHONDRIA, CA2+ TRANSPORT AND THE REGULATION OF HEART CONTRACTION AND METABOLISM. Carafoli E *J Mol Cell Cardiol* 7: 83-7, Feb 75 (Eng) [40]

ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; BINDING SITES; BIOLOGICAL TRANSPORT, ACTIVE; CALCIUM (metabolism); CELL MEMBRANE (metabolism); HEART (physiology); KINETICS; MEMBRANES (metabolism); MITOCHONDRIA, MUSCLE (metabolism); MUSCLE PROTEINS (metabolism); MYOCARDIAL CONTRACTION; MYOCARDIUM (metabolism); RECEPTORS, DRUG; REVIEW.

Carlson LA

STUDIES IN ASYMPTOMATIC PRIMARY HYPERLIPIDAEMIA. IV. ECG AT REST AND DURING EXERCISE AND ITS RELATION TO VARIOUS LIPOPROTEIN CLASSES. Olsson AG, Ekelund LG, Carlson LA *Acta Med Scand* 198: 55-73, Jul-Aug 75 (Eng)

Carnegie PR

VULNERABILITY OF CELL-SURFACE RECEPTORS TO AUTOIMMUNE REACTIONS. Carnegie PR, Mackay IR *Lancet* 2: 684-7, 11 Oct 75 (Eng)

ANIMAL; AUTOANTIBODIES (isolation & purification); AUTOIMMUNE DISEASES; BINDING SITES, ANTIBODY; CELL MEMBRANE (immunology); DIABETES MELLITUS (immunology, pathology); HUMAN; HYPERTHYROIDISM (immunology, pathology); IMMUNE TOLERANCE; IN VITRO; LYMPHOCYTES (immunology); MYASTHENIA GRAVIS (immunology, pathology); RABBITS; RECEPTORS, CHOLINERGIC; RECEPTORS, DRUG.

Carraway KL

CIRCULAR DICHROISM OF ERYTHROCYTE MEMBRANE GLYCOPROTEINS. Decker RV, Carraway KL *Biochim Biophys Acta* 386: 52-61, 28 Mar 75 (Eng)

Carter DC

PROCEEDINGS: EFFECT OF THE HISTAMINE H₂ RECEPTOR ANTAGONIST, CIMETIDINE, ON INSULIN-INDUCED GASTRIC SECRETION IN MAN. Carter DC, Logan R, Forrest JA, Ansell I, Heading RC *Br J Surg* 62: 664-5, Aug 75 (Eng)

ANTI-HISTAMINICS (pharmacodynamics); GASTRIC JUICE (secretion); GUANIDINES (pharmacodynamics); HUMAN; IMIDAZOLES (pharmacodynamics); INSULIN (pharmacodynamics); SECRETORY RATE (drug effects).

Casanueva F

[INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Exp* 138: 107-11, 31 Jul 75 (Spa)

Castro M

EFFECT OF THYROIDECTOMY ON THE IN VITRO UTILIZATION OF GLUCOSE BY HYPOPHYSIS AND HYPOTHALAMUS IN THE RAT. Castro M, Garcia MD, Herrera E *Steroids Lipids Res* 5: 276-81, 1974 (Eng)

ANIMAL EXPERIMENTS; BODY WEIGHT; CARBON DIOXIDE (metabolism); FEMALE; GLUCOSE (metabolism); HYPOTHALAMUS (metabolism); LACTATES (metabolism); ORGAN WEIGHT; PITUITARY GLAND (metabolism); PROTEIN-BOUND IODINE TEST; RATS; THYROID GLAND (physiology); THYROIDECTOMY; THYROTROPIN (blood).

Cattaneo de Peralta Ramos MO

[EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PANCREATECTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Rietti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)

ANIMAL; ENGLISH ABSTRACT; FEMALE; FETUS (blood supply); GESTATIONAL AGE; INFANT, NEWBORN; LIVER GLYCOGEN (analysis); MATERNAL-FETAL EXCHANGE; PANCREATECTOMY; PREDIABETIC STATE; PREGNANCY IN DIABETES; PREGNANCY; RATS.

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irujo O, Foglia VG *Rev Soc Argent Biol* 48-49: 48-60, Apr 72-Nov 73 (Spa)

ANIMAL; DIABETES MELLITUS (drug therapy, metabolism); ENGLISH ABSTRACT; FSH (therapeutic use); INSULIN (pharmacodynamics); LH (therapeutic use); MALE; RATS; STIMULATION, CHEMICAL; TESTIS (drug effects, metabolism); TESTOSTERONE (biosynthesis, analysis).

Cazzolato G

[CHANGES IN PLASMA LIPIDS IN DIABETES MELLITUS] Avogaro P, Capri C, Cazzolato G, Pais M *Minerva Med* 66: 3388-96, 3 Oct 75 (Ita)

Cecil R

THE SPECIFIC BINDING OF INSULIN TO POLYTHENE AND OTHER MATERIALS. Cecil R, Robinson GB *Biochim Biophys Acta* 404: 164-8, 8 Sep 75 (Eng)

ADSORPTION; BINDING, COMPETITIVE; INSULIN; KINETICS; PLASTICS; PROTEIN BINDING; PROTEINS.

Cerasi E

ACUTE EFFECTS OF EXOGENOUS GROWTH HORMONE IN MAN: TIME- AND DOSE-BOUND MODIFICATION OF GLUCOSE TOLERANCE AND GLUCOSE-INDUCED INSULIN RELEASE. Adamson U, Cerasi E *Acta Endocrinol (Kbh)* 80: 247-61, Oct 75 (Eng)

Cerdan Vallejo A

[INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA] Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sanmartin P, Acosta M, Cerdan Vallejo A *Rev Clin Exp* 138: 425-32, 15 Sep 75 (Spa)

Ceredi C

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C *Chronobiologia* 1: Apr-Jun 74 (Eng)

Certhoux J

[INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS] Certhoux J, Grandeau C, Colombo J, Le Devchat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)

ADOLESCENCE; ADULT; BLOOD SUGAR (metabolism); DEPRESSION (therapy); DIABETES MELLITUS (diagnosis); DISSOCIATIVE REACTION (therapy); FEMALE; FOLLOW-UP STUDIES; GLUCOSE TOLERANCE TEST; GLUCOSE (administration & dosage); HUMAN; INSULIN (administration & dosage, blood); MALE; MIDDLE AGE; NEUROSES (therapy); OBESITY (diagnosis); PSYCHOSES (therapy); SHOCK THERAPY, INSULIN (adverse effects, methods).

Chang K-J

ESTIMATION OF HORMONE RECEPTOR AFFINITY BY COMPETITIVE DISPLACEMENT OF LABELED LIGAND: EFFECT OF CONCENTRATION OF RECEPTOR AND OF LABELED LIGAND. Jacobs S, Chang K-J, Cuatrecasas P *Biochem Biophys Res Commun* 66: 687-92, 16 Sep 75 (Eng)

Chapman D

FLUIDITY AND PHASE TRANSITIONS OF CELL MEMBRANES. Chapman D *Biomembranes* 7: 1-9, 1975 (Eng) [42]

CATIONS, DIVALENT; CELL MEMBRANE (physiology); CHOLESTEROL; CRYSTALLIZATION; KINETICS; LIPIDS; MEMBRANES, ARTIFICIAL; MOLECULAR CONFORMATION; NUCLEAR MAGNETIC RESONANCE; PROTEINS; REVIEW; SPECTROPHOTOMETRY, INFRARED; TEMPERATURE.

Chard T

LETTER: HUMAN PLACENTAL LACTOGEN IN MANAGEMENT OF DIABETIC PREGNANCY. Letchworth AT, Chard T *Lancet* 2: 230, 2 Aug 75 (Eng)

POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)

Charles ES

EMOTIONAL FACTORS IN JUVENILE DIABETES MELLITUS: A STUDY OF THE EARLY LIFE EXPERIENCES OF EIGHT DIABETIC CHILDREN. Stein SP, Charles ES *Psychosom Med* 37: 237-44, May-Jun 75 (Eng)

Chavez Hernandez F

[MANAGEMENT OF PREGNANT DIABETIC PATIENT WITH HIGH RISK PREGNANCY] Arcevalo Toledo N, Jimenez Fonseca J, Gonzalez y Gonzalez L, Chavez Hernandez F, Alvarez de la Cadena O, Noriega Guerra L *Ginecol Obstet Mex* 37: 311-21, Jun 75 (Spa)

Cheema-Dhadli S

THE EFFECT OF ADENOSINE TRIPHOSPHATE ON THE TRICARBOXYLATE TRANSPORTING SYSTEM OF RAT LIVER MITOCHONDRIA. Robinson BH, Cheema-Dhadli S, Halperin ML *J Biol Chem* 250: 3639-43, 25 May 75 (Eng)

Cheeseman J

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

Cheeseman P

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

Chen M

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr *Diabetes* 24: 910-4, Oct 75 (Eng)

ANIMAL; CEREBRAL VENTRICLES (drug effects); DOGS; GLUCOSE (pharmacodynamics); HYPOGLYCEMIA (etiology); INJECTIONS, INTRAVENTRICULAR; INSULIN (pharmacodynamics, secretion, cerebrospinal fluid); ISLANDS OF LANGERHANS (secretion, innervation); MALE; NEURAL INTERCONNECTIONS; PHENTOLAMINE (pharmacodynamics); REFLEX, UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Chen SM

EFFECTS OF CONTINUOUS INFUSION OF CARDIOTONIC AGENTS ON ARTERIAL CATIONS AND GLUCOSE IN DOGS. Chow SY, Chen SM, Lin IL *Chin J Physiol* 21: 159-72, 31 Dec 73 (Eng)

Cheng WK

ELECTROCHROMIC PROPERTIES OF MEMBRANE PROBES. Cheng WK *Biomembranes* 7: 56-60, 1975 (Eng)

CELL MEMBRANE (metabolism); FLUORESCENT DYES (analysis); MATHEMATICS; SPECTRUM ANALYSIS.

Chesney RW

ACUTE RENAL FAILURE: AN IMPORTANT COMPLICATION OF CARDIAC SURGERY IN INFANTS. Chesney RW, Kaplan BS, Freedom RM, Haller JA, Drummond KN *J Pediatr* 87: 381-8, Sep 75 (Eng)

ALANINE (blood); DIALYSIS; FEMALE; HEART DEFECTS, CONGENITAL (surgery); HEART SURGERY (adverse effects); HUMAN; HYPERKALEMIA (therapy); HYPOGLYCEMIA (metabolism); HYPOTENSION (etiology); HYPOTHERMIA, INDUCED; INFANT; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (surgery); KIDNEY FAILURE, ACUTE (etiology, therapy); KIDNEY (pathology); MALE; POSTOPERATIVE COMPLICATIONS (etiology); PREOPERATIVE CARE; URINARY CATHETERIZATION.

Chevillotte E

[MEMBRANE-BOUND HORMONE RECEPTORS. PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS] Chevillotte E, Devynck MA, Meyer P, Rouzaire-Dubois B *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology); ADENYL CYCLASE (metabolism); ANGIOTENSIN II (pharmacodynamics); ANIMAL; BLOOD PRESSURE (drug effects); CATECHOLAMINES (pharmacodynamics); CELL MEMBRANE (metabolism); CORTICOTROPIN (pharmacodynamics); ENZYME ACTIVATION; EXTRACELLULAR SPACE (physiology); HORMONES (physiology); HUMAN; INSULIN (pharmacodynamics); LH (pharmacodynamics); NEUROHUMORS

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(physiology); PROTAGLANDINS (pharmacodynamics); RECEPTORS, HORMONE (drug effects); REVIEW; TACHYPHYLAXIS.

Chimenes H

[LETTER: HEREDITY OF DIABETES MELLITUS] Chimenes H, Romani JD *Nouv Presse Med* 4: 2040, 30 Aug-6 Sep 75 (Fre)
DIABETES MELLITUS (familial & genetic); FEMALE; HUMAN; INSULIN (therapeutic use); MALE; OBESITY IN DIABETES.

Chiodini PG

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Liuzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

ACROMEGALY (drug therapy, blood); ADULT; BROMINE; ERGOT ALKALOIDS (therapeutic use); FEMALE; HUMAN; MALE; MIDDLE AGE; SOMATOTROPIN (blood); TIME FACTORS.

Chirvasie R

XEONON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciuca L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

Chisholm DJ

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DOSPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

Chiumello G

MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiumello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

Chow SY

EFFECTS OF CONTINUOUS INFUSION OF CARDIOTONIC AGENTS ON ARTERIAL CATIONS AND GLUCOSE IN DOGS. Chow SY, Chen SM, Lin IL *Chin J Physiol* 21: 159-72, 31 Dec 73 (Eng)

ADRENERGIC RECEPTOR AGONISTS (pharmacodynamics); ANIMAL EXPERIMENTS; ARTERIES (metabolism); BLOOD SUGAR (metabolism); CALCIUM (blood); CARDIAC GLYCOSIDES (pharmacodynamics); DOGS; ELECTROLYTES (blood); POTASSIUM (blood); SODIUM (blood); SYMPATHOLYTICS (pharmacodynamics).

Christensen HN

SIMULATION OF DIFFERENTIAL EFFECTS ON RATES IN MEMBRANE TRANSPORT. Harrison LI, Christensen HN *J Theor Biol* 49: 439-59, Feb 75 (Eng)

Chu SY

STABILITY STUDIES OF TRIGLYCERIDES IN SERUM. Chu SY, Turkington VE *Clin Biochem* 8: 145-7, Apr 75 (Eng)
DRUG STABILITY; EVALUATION STUDIES; FREEZING; HUMAN; METHODS; TEMPERATURE; TIME FACTORS; TRIGLYCERIDES (blood).

Ciuca L

XEONON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE AC-

Diabetes Literature—Author Index

TIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciuca L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

Clark SB

REGIONAL VARIATION IN GLYCOLYTIC ENZYME ADAPTATION TO DIETARY SUGARS IN RAT SMALL INTESTINE. Espinoza J, Hritz A, Kaplan R, Clark SB, Rosensweig NS *Am J Clin Nutr* 28: 453-8, May 75 (Eng)

Clarke BF

[DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL.)] Azzopardi J, Campbell IW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)

Clarke P

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissebah AH, Clarke P, Vydelingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

Clarke PV

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissebah AH, Hope-Gill H, Vydelingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

ADIPOSE TISSUE (metabolism, drug effects); AGE FACTORS; ANIMAL; BINDING SITES (drug effects); CALCIUM (metabolism); CELL MEMBRANE (drug effects); COMPARATIVE STUDY; DOSE-RESPONSE RELATIONSHIP; DRUG; EPINEPHRINE (pharmacodynamics); INSULIN RESISTANCE; INSULIN (pharmacodynamics); LIPIDS (metabolism); MALE; MICE; MICE, OBESE; PROCAINE (pharmacodynamics); RATS; RECEPTORS, DRUG.

Clarke WC

HUMAN PITUITARY GROWTH HORMONE: IMMUNOCHEMICAL INVESTIGATIONS OF BIOLOGICALLY ACTIVE FRAGMENTS. Clarke WC, Hayashida T, Li CH *Arch Biochem Biophys* 164: 571-4, Oct 74 (Eng)
AMINO ACID SEQUENCE; COMPLEMENT FIXATION TESTS; FIBRINOLYSIS; GEL DIFFUSION TESTS; HUMAN; PEPTIDE FRAGMENTS; PITUITARY GLAND (analysis); RABBITS (immunology); RADIOIMMUNOASSAY; SOMATOTROPIN (analysis).

Classen M

DERMATITIS HERPETIFORMIS AND SMALL INTESTINAL LESION—NO STRICT ASSOCIATION IN GERMAN PATIENTS. Rupp H, Weidner F, Domschke S, Domschke W, Classen M, Hornstein OP *Acta Hepatogastroenterol (Stuttg)* 22: 105-11, Apr 75 (Eng)

Claus TH

STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilks SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

ACETATES (metabolism); ALANINE (metabolism); ALCOHOL, ETHYL (metabolism); AMINO ACIDS (pharmacodynamics); AMMONIA (pharmacodynamics); ANIMAL; GLUCAGON (pharmacodynamics); GLUCONEOGENESIS (drug effects); HISTORY OF MEDICINE, 18TH CENT.; IN VITRO; LACTATES (metabolism); LIVER (metabolism,

drug effects, cytology); MALE; PERFUSION; RATS.

Cleave TL

LETTER: BRAN AND BLOOD-LIPIDS. Cleave TL *Lancet* 1: 857, 12 Apr 75 (Eng)
CARBOHYDRATES; CORONARY DISEASE (etiology); DIET; DIETARY CARBOHYDRATES; FLOUR; HUMAN; LIPIDS (blood).

Cleveland WW

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spelacy WN, Conly PW, Cleveland WW, Buhl WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

Clingan D

INITIATION OF CELL PROLIFERATION IN CULTURED MOUSE FIBROBLASTS BY PROTAGLANDIN F2ALPHA. De Asua LJ, Clingan D, Rudland PS *Proc Natl Acad Sci USA* 72: 2724-8, Jul 75 (Eng)

Codegoni AM

PROCEEDINGS: THE DISPOSITION OF L-(3-H) - NORADRENALINE BY THE ISOLATED EPIDIDYMAL FAT PAD OF THE RAT AND THE EFFECT OF ANTILIPOLYTIC AGENTS. Bizzi A, Codegoni AM, Luzzani F, Manara L, Tacconi MT *Br J Pharmacol* 52: 449p-450p, Nov 74 (Eng)

Cohen AH

MASSIVE OBESITY AND THE KIDNEY. A MORPHOLOGIC AND STATISTICAL STUDY. Cohen AH *Am J Pathol* 81: 117-30, Oct 75 (Eng)
ADOLESCENCE; ADULT; ANOXIA (complications); AUTOPSY; BLOOD VOLUME; CARBOHYDRATE METABOLISM, INBORN ERRORS (complications); CHILD, PRESCHOOL; HUMAN; HYPERTROPHY; HYPOVENTILATION (complications); KIDNEY FUNCTION TESTS; KIDNEY GLOMERULUS (pathology); KIDNEY (pathology, blood supply); MALE; MENTAL RETARDATION (complications); OBESITY IN DIABETES (complications); OBESITY (pathology, physiopathology, etiology); POLYCYTHEMIA (complications); SLEEP; SYNDROME; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Cohen G

PREVENTION OF 6-HYDROXYDOPAMINE NEUROTOXICITY. Cohen G, Allis B, Winston B, Mytilineou C, Heikkila R *Eur J Pharmacol* 33: 217-21, Aug 75 (Eng)
ALLOXAN DIABETES (prevention & control); ANIMAL; HEART ATRIUM (metabolism, innervation); HYDROXYDOPAMINE (antagonists & inhibitors); IRIS (innervation, metabolism); MALE; MICE; NERVE ENDINGS (drug effects); NEURONS (drug effects); NOREPINEPHRINE (metabolism); PHENYLTHIAZOLYLTHIOUREA (pharmacodynamics, therapeutic use); PHENYLTHIOUREA (analogs & derivatives); SYMPATHETIC NERVOUS SYSTEM (drug effects); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Cohen KH

GLYCEROL: MAJOR CONTRIBUTOR TO THE SHORT TERM PROTEIN SAVING EFFECT OF FAT EMULSIONS IN NORMAL MAN. Brennan MF, Fitzpatrick GF, Cohen KH, Moore FD *Ann Surg* 182: 386-94, Oct 75 (Eng)

Cohen L

THE DENTAL MANAGEMENT OF PATIENTS WITH MEDICAL PROBLEMS. Cohen L *NY State Dent J* 41: 470-5, Oct 75 (Eng)

ADRENAL GLAND HYPOFUNCTION; ADULT; ANESTHESIA, DENTAL; ANTICOAGULANTS (therapeutic use); ANTIHYPERTENSIVE AGENTS (therapeutic use); CARDIAC GLYCOSIDES (therapeutic use); CARDIOVASCULAR DISEASES (drug therapy); CHILD; DIABETES MELLITUS; DRUG DEPENDENCE; HEMATOLOGIC DISEASES; HUMAN; MENTAL DISORDERS; RESPIRATORY TRACT DISEASES; TOOTH DISEASES (therapy, surgery); TUBERCULOSIS.

Cohen RD

ACID-BASE AND METABOLIC DISTURBANCES IN FULMINANT HEPATIC FAILURE. Record CO, Iles RA, Cohen RD, Williams R *Gut* 16: 144-9, Feb 75 (Eng)

Cole P

COFFEE DRINKING AND CANCER OF THE LOWER URINARY TRACT. Simon D, Yen S, Cole P *J Natl Cancer Inst* 54: 587-91, Mar 75 (Eng)

Coleman B

MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PANCREATOTOMIZED DOG. Coleman B, Kallal JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)

ANIMAL EXPERIMENTS; AORTA (physiology); BLOOD PRESSURE; BLOOD SUGAR (metabolism); BLOOD TRANSFUSION, AUTOLOGOUS; BLOOD VOLUME; CARDIAC OUTPUT; DOGS; ELECTROCARDIOGRAPHY; FEMALE; HEART RATE; HEART VENTRICLE (physiology); HEART (physiology); HEMATOCRIT; MALE; MYOCARDIAL DEPRESSANT FACTOR (physiology); OXYGEN CONSUMPTION; OXYGEN (blood); PANCREAS (physiology); PANCREATOTOMY; PULMONARY ARTERY (physiology); SHOCK, HEMORRHAGIC (physiology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Collin J

PROCEEDINGS: THE EFFECT OF PORTAL AND SYSTEMIC VENOUS DRAINAGE OF THE PANCREAS ON GLUCOSE AND INSULIN METABOLISM. Collin J, Taylor RM, Johnston ID *Br J Surg* 62: 660, Aug 75 (Eng)

ANIMAL; COMPARATIVE STUDY; DOGS; GLUCOSE (metabolism); INSULIN (metabolism); PANCREAS (blood supply); PORTAL VEIN (physiology).

Collins PP

DETERMINATION OF NORMAL VALUES FROM A HOSPITAL POPULATION. Collins PP *Am J Med Technol* 41: 173-9, May 75 (Eng)

ADOLESCENCE; ADULT; AGED; ALKALINE PHOSPHATASE (blood); ASPARTATE AMINOTRANSFERASE (blood); BILIRUBIN (blood); BLOOD CHEMICAL ANALYSIS (instrumentation); BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); BLOOD UREA NITROGEN; CALCIUM (blood); CHILD; CHOLESTEROL (blood); FEMALE; HOSPITALS; HUMAN; LACTATE DEHYDROGENASE (blood); MALE; MIDDLE AGE; PHOSPHORUS (blood); SERUM ALBUMIN (analysis); SEX FACTORS; URIC ACID (blood).

Colombo J

INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS] Certhoux J, Grandjean C, Colombo J, Le Devehat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)

Conly PW

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spelacy WN, Conly PW, Cleveland WW, Buih WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

Cormier JM

[ARTERITIS IN AGED PATIENTS] Cormier JM, Firouzabadi H, Gigou F *J Chir (Paris)* 109: 575-90, May-Jun 75 (Fre)

AGE FACTORS; AGED; ARTERITIS (complications, surgery); CEREBRAL ARTERY DISEASES (complications); CORONARY DISEASE (etiology); DIABETIC ANGIOPATHIES (surgery); ENGLISH ABSTRACT; FEMALE; GANGRENE (etiology); HEART DISEASES (etiology); HUMAN; ISCHEMIA (etiology); KIDNEY DISEASES (etiology); LEG ULCER (etiology); MALE; POSTOPERATIVE COMPLICATIONS; VENOUS INSUFFICIENCY (etiology).

Cornish EJ

LETTER: PYRIDOXINE AND OESTROGEN-INDUCED GLUCOSE INTOLERANCE. Cornish EJ, Tesoriero W *Br Med J* 3: 649-50, 13 Sep 75 (Eng)

ANIMAL; CONTRACEPTIVES, ORAL (adverse effects); DIABETES MELLITUS (chemically induced, prevention & control); FEMALE; HUMAN; MALE; PYRIDOXINE (therapeutic use); RATS; XANTHURENATES (pharmacodynamics).

Corran PH

THE REACTION OF PENICILLIN WITH PROTEINS. Corran PH, Waley SG *Biochem J* 149: 357-64, Aug 75 (Eng)

AMINO ACIDS (analysis); BINDING SITES; CHICKENS; DRUG HYPERSENSITIVITY; EGG WHITE; HUMAN; INSULIN; KINETICS; MURAMIDASE; PENICILLIN G; PEPTIDE FRAGMENTS (analysis); PROTEIN BINDING; SWINE.

Coudon B

[FULLY AUTOMATED CONTINUOUS FLOW SYSTEM FOR DETERMINATION OF SERUM TRIGLYCERIDES (AUTHORS TRANSL.)] Coudon B, Bougie D, Giraudet P *Clin Chim Acta* 55: 129-38, 16 Sep 74 (Fre)

ALCOHOL OXIDOREDUCTASES; AUTOANALYSIS (methods); COLORIMETRY (methods); DIALYSIS; ENGLISH ABSTRACT; GLYCERIN (analysis); HYDROLYSIS; TRIGLYCERIDES (blood); TRIOLEIN.

Coulston F

EXCRETION AND METABOLISM OF SACCHARIN IN MAN. II. STUDIES WITH 14-C-LABELLED AND UNLABELLED SACCHARIN. Byard JL, McChesney EW, Goldberg L, Coulston F *Food Cosmet Toxicol* 12: 175-84, Apr 74 (Eng)

Couturier E

MESANGIAL CHANGES OF THE RENAL GLOMERULUS IN LONG-TERM DIABETIC RATS. Anjo A, Couturier E *Pathol Eur* 10: 21-7, 1975 (Eng)

Cowden M

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

Craig JM

THE PATHOLOGY OF INFERTILITY. Craig JM *Pathol Annu* 10: 299-328, 1975 (Eng) [72]

ADNEXITIS (complications); CHROMOSOME ABNORMALITIES (pathology); CRYPTORCHISM (pathology); CYSTIC FIBROSIS (complications); DIABETES MELLITUS (complications); ENDOCRINE DISEASES (complications); ENDOMETRIOSIS (complications); FEMALE; GYNECOLOGIC DISEASES (complications); HUMAN; IATROGENIC DISEASE; INFANT; INFANT, NEWBORN; KLINEFELTERS SYNDROME (pathology); MALE; METABOLISM, INBORN ERRORS (complications); MYOCLONUS (complications); ORCHITIS (pathology, etiology); PREGNANCY; REVIEW; SALPINGITIS (pathology); SCLEROSIS; SEMINIFEROUS TUBULES (pathology); SPERM MATURATION; STERILITY, FEMALE (pathology, etiology); STERILITY, MALE (pathology, etiology, familial & genetic); UTERINE DISEASES (complications); VARICOCELE (complications, pathology).

Crane RK

AN ANALYSIS OF THE D-GLUCOSE INFLUX KINETICS OF IN VITRO HAMSTER JEJUNUM, BASED ON CONSIDERATIONS OF THE MASS-TRANSFER COEFFICIENT. Dugas MC, Ramaswamy K, Crane RK *Biochim Biophys Acta* 382: 576-89, 8 Apr 75 (Eng)

Creamer B

THE EXSORPTION CHARACTERISTICS OF VARIOUS SUGARS. Axon ATR, Creamer B *Gut* 16: 99-104, Feb 75 (Eng)

Creutzfeldt W

LIPODYSTROPHY OF THE EXTREMITIES. A DOMINANTLY INHERITED SYNDROME ASSOCIATED WITH LIPATROPHIC DIABETES. Kobberling J, Willems B, Kattermann R, Creutzfeldt W *Humangenetik* 29: 111-20, 10 Sep 75 (Eng)

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL.)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

ADULT; AMYLASE (analysis); BICARBONATES (analysis); CHOLECYSTOKININ (pharmacodynamics); DUODENUM; ENGLISH ABSTRACT; GALLBLADDER (drug effects); HUMAN; INTESTINAL SECRETIONS (analysis, enzymology); MALE; PANCREAS (secretion, drug effects); PANCREOZYMIN (pharmacodynamics); SECRETIN (pharmacodynamics); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); TRYPSIN (analysis).

Crevoisier C

[THE TRANSPORT OF THREE FLAVONOIDS THROUGH ARTIFICIAL AND BIOLOGICAL MEMBRANES. THE TRANSPORT IN VITRO THROUGH A CELLOPHANE MEMBRANE] Crevoisier C, Buriat P, Boucherat J *Pharm Acta Helv* 49: 140-51, 1974 (Fre)

BIOFLAVONOIDS; CELLOPHANE; DETERGENTS; DIFFUSION; ENGLISH ABSTRACT; HYDROGEN-ION CONCENTRATION; KINETICS; PERMEABILITY; VISCOSITY.

Crofford OB

TIME COURSE OF TERMINATION OF THE GLUCOSE TRANSPORT ACTION OF INSULIN IN ADIPOCYTES. Crofford OB *J Biol Chem* 250: 7089-902, 25 Sep 75 (Eng)

Diabetes Literature—Author Index

Crouch MS

ADIPOSE TISSUE (metabolism, drug effects); ANIMAL; BIOLOGICAL TRANSPORT; ACTIVE; GLUCOSE (metabolism); IN VITRO; INSULIN (pharmacodynamics); KINETICS; MALE; RATS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Crouch MS

A STUDY OF CONNECTIVE TISSUE MACROMOLECULES IN SKIN OF MICE WITH GOLDTHIOGLUCOSE-INDUCED OBESITY. Dalferes ER Jr, Radhakrishnamurthy B, Crouch MS, Berenson GS *Proc Soc Exp Biol Med* 148: 918-24, Mar 75 (Eng)

Cruz Martinez A

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT; VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES; H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Esp* 138: 445-52, 15 Sep 75 (Spa)

ADOLESCENCE; ADULT; AGED; DIABETIC NEUROPATHIES (physiopathology); ENGLISH ABSTRACT; EVOKED POTENTIALS; EXTREMITIES (innervation); EYELIDS (innervation); FACIAL NERVE (physiopathology); FEMALE; HUMAN; ISCHEMIA (physiopathology); MALE; MIDDLE AGE; MOTOR NEURONS (physiopathology); NEURAL CONDUCTION; PERONEAL NERVE (physiopathology); REFLEX, MONOSYNAPTIC; SURAL NERVE (physiopathology); TIME FACTORS.

Csaba G

EFFECT OF INSULIN ON THE GLUCOSE UPTAKE OF PROTOZOA. Csaba G, Lantos T *Experientia* 31: 1097-8, 15 SEP 75 (Eng)

ANIMAL; GLUCOSE (metabolism); INSULIN (pharmacodynamics); RECEPTORS, HORMONE; TETRAHYMENA PYRIFORMIS (metabolism, drug effects).

Cuatrecasas P

ESTIMATION OF HORMONE RECEPTOR AFFINITY BY COMPETITIVE DISPLACEMENT OF LABELED LIGAND: EFFECT OF CONCENTRATION OF RECEPTOR AND OF LABELED LIGAND. Jacobs S, Chang K-J, Cuatrecasas P *Biochem Biophys Res Commun* 66: 687-92, 16 Sep 75 (Eng)

Cudworth AG

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Hatchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

Culpepper RD

SUCCESSFUL ORTHOTOPIC ALLOTRANSPLANTATION OF HEARTS FROM DOGS IN IRREVERSIBLE SHOCK. Culpepper RD, Kondo Y, Hardy JD, Turner MD *Surgery* 77: 126-31, Jan 75 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); DISEASE MODELS, ANIMAL; DOGS; HEART (transplantation); HEMATOCRIT; HYDROGEN-ION CONCENTRATION; OXYGEN (blood); PARTIAL PRESSURE; SHOCK, HEMORRHAGIC (complications, mortality); TRANSPLANTATION, HOMOLOGOUS.

Cunarro J

MECHANISM OF ACTION OF AGENTS WHICH UNCOUPLE OXIDATIVE PHOSPHORYLATION: DIRECT CORRELATION BETWEEN PROTON-CARRYING AND RESPIRATORY-

RELEASING PROPERTIES USING RAT LIVER MITOCHONDRIA. Cunarro J, Weiner MW *Biochim Biophys Acta* 387: 234-40, 15 May 75 (Eng)

ANIMAL EXPERIMENTS; ARSENATES (pharmacodynamics); CARBONYL CYANIDE M-CHLOROPHENYL HYDRAZONE (pharmacodynamics); CARBONYL CYANIDE P-TRIFLUOROMETHOXY-PHENYLHYDRAZONE (pharmacodynamics); DEOXYCHOLIC ACID (pharmacodynamics); MITOCHONDRIA, LIVER (metabolism, drug effects); MITOCHONDRIAL SWELLING (drug effects); MYRISTIC ACIDS (pharmacodynamics); NITROPHENOLS (pharmacodynamics); OLEIC ACIDS (pharmacodynamics); OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION (drug effects); RATS; SALICYLATES (pharmacodynamics); UNCOUPLING AGENTS (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Curtis-Prior PB

A COLORIMETRIC METHOD FOR THE DETERMINATION OF DEOXYRIBONUCLEIC ACID IN ADIPOSE TISSUE. Curtis-Prior PB, Hanley T, Temple NJ *Analyst* 100: 106-10, Feb 75 (Eng)

ADIPOSE TISSUE (analysis); ANIMAL EXPERIMENTS; COLORIMETRY; DNA (analysis); HYDROLYSIS; METHODS; SALMON; SPERMATOCYTES.

Cutler MG

TUMOURS AND HORMONAL CHANGES PRODUCED IN RATS BY SUBCUTANEOUS INJECTIONS OF LINOLEIC ACID HYDROPEROXIDE. Cutler MG, Schneider R *Food Cosmet Toxicol* 12: 451-9, Aug 74 (Eng)

ANIMAL EXPERIMENTS; CORTICOTROPIN (physiology); FEMALE; GONADOTROPINS (physiology); HORMONES (metabolism); LINOLEIC ACIDS (pharmacodynamics); MALE; MAMMARY NEOPLASMS, EXPERIMENTAL (chemically induced); NEOPLASMS (chemically induced); ORGAN WEIGHT; PEROXIDES (pharmacodynamics); PITUITARY GLAND (drug effects); RATS; SOMATOTROPIN (physiology); THYROTROPIN (physiology).

Czarnecka M

INFLUENCE OF SODIUM PALMITATE ON THE CELLULAR ACTION OF POTENTIALS OF THE LEFT VENTRICLE OF ISOLATED, PERFUSED GUINEA-PIG HEART. Wasilewska-Dziubinska E, Czarnecka M, Bercesewicz A, Lewartowski B *Acta Physiol Pol* 26: 1-11, Jan-Feb 75 (Eng)

Dacou-Voutetakis C

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

ADOLESCENCE; CASE REPORT; DESENSITIZATION; DIABETES MELLITUS, JUVENILE (drug therapy, immunology); DRUG HYPERSENSITIVITY; FEMALE; HUMAN; INSULIN (adverse effects, therapeutic use); LYMPHOCYTE TRANSFORMATION; LYMPHOCYTES (immunology).

Dagenais GR

[VALUES OF GLUCOSE, POTASSIUM AND INORGANIC PHOSPHATE AS METABOLIC INDICATORS OF MYOCARDIAL ISCHEMIA IN HUMANS] Dagenais GR, Marquis Y, Moisan A *Arch Mal Coeur* 68: 169-77, Feb 75 (Fre)

ANGINA PECTORIS (metabolism); BLOOD PRESSURE; BLOOD SUGAR (analysis);

CORONARY DISEASE (diagnosis, metabolism); CORONARY VESSELS; ELECTRIC STIMULATION; ENGLISH ABSTRACT; HEART CATHETERIZATION (methods); HEART RATE; HUMAN; LACTATES (blood, metabolism); MYOCARDIUM (metabolism); PHOSPHATES (blood); PHOSPHATES, INORGANIC (blood, metabolism); POTASSIUM (blood, metabolism).

Dalferes ER Jr

A STUDY OF CONNECTIVE TISSUE MACROMOLECULES IN SKIN OF MICE WITH GOLDTHIOGLUCOSE-INDUCED OBESITY. Dalferes ER Jr, Radhakrishnamurthy B, Crouch MS, Berenson GS *Proc Soc Exp Biol Med* 148: 918-24, Mar 75 (Eng)

ANIMAL EXPERIMENTS; AUROTHIOGLUCOSE; CARBOHYDRATES (analysis); CHROMATOGRAPHY; COLLAGEN (analysis); CONNECTIVE TISSUE (pathology); ELASTIN (analysis); ELECTROPHORESIS; FRACTIONATION; GLYCOPROTEINS (isolation & purification, analysis); GLYCOSAMINOGLYCANS (isolation & purification, analysis); GOLD; MACROMOLECULAR SYSTEMS; MALE; MICE; MUCOPOLYSACCHARIDES (isolation & purification, analysis); OBESITY (chemically induced, pathology); ORGAN WEIGHT; SKIN (pathology, analysis); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Danho WO

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEP SIN, II. PREPARATION AND PROPERTIES OF CAMEL DES-PEN- TAPEPTIDE (B26-30)- AND DES-PHEBI- DES-PEN- TAPEPTIDE (B26-30)- INSULIN. Danho WO, Gattner HG, Nissen D, Zahn H *Hoppe Seyler's Z Physiol Chem* 356: 1405-12, Sep 75 (Eng)

AMINO ACIDS (analysis); ANIMAL; BINDING SITES; CAMELS (metabolism); CRYSTALLIZATION; INSULIN (analogs & derivatives); OLIGOPEPTIDES (isolation & purification); PEP SIN; PHENYLALANINE; PROTEIN BINDING; TYROSINE.

Daniel U

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

Danowski TS

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO- HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

ADOLESCENCE; ADULT; AGE FACTORS; BIOPSY; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); CHILD; CHILD, PRESCHOOL; EXERTION; FEMALE; HUMAN; HYDROGEN-ION CONCENTRATION; HYPERKALAEMIA (familial & genetic, pathology, blood); LOCOMOTION; MALE; MICROSCOPY, ELECTRON; MIDDLE AGE; MUSCLES (pathology); PARALYSIS (familial & genetic, pathology, blood); PEDIGREE; PERIODICITY; POTASSIUM (blood); SARCOPLASMIC RETICULUM (ultrastructure); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Daughaday WH

MEASUREMENT OF SOMATOMEDIN BY CAR- TILAGE IN VITRO. Daughaday WH, Phillips LS, Herington AC *Methods Enzymol* 37 pt b: 93-109, 1975 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL ASSAY; CARTILAGE (drug effects, metabolism); CHICK EMBRYO; CHONDROITIN

(biosynthesis); COLLAGEN (biosynthesis); DNA (biosynthesis); HUMAN; METHODS; MUCOPROTEINS (biosynthesis); RATS; RNA (biosynthesis); SOMATOMEDIN (blood, pharmacodynamics); SPECIES SPECIFICITY; SWINE.

SLEEP-RELATED GROWTH HORMONE SECRETION AND MORNING NAPS. Othmer E, Mendelson WB, Levine WR, Malarkey WB, Daughaday WH *Steroids Lipids Res* 5: 380-6, 1974 (Eng)

Dauncey MJ

BODY FAT OF BRITISH AND DUTCH INFANTS. Widdowson EM, Dauncey MJ, Gairdner DM, Jonxis JH, Pelikan-Filipkova M *Br Med J* 1: 653-5, 22 Mar 75 (Eng)

Davidson DC

NEONATAL SECRETION OF SECRETIN. Rogers IM, Davidson DC, Lawrence J, Buchanan KD *Arch Dis Child* 50: 120-2, Feb 75 (Eng)

Davidson MB

EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG. Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)

METABOLIC STUDIES IN THE PYELONEPHRITIC RAT. Davidson MB *Diabetes* 24: 881-91, Oct 75 (Eng)

ADIPOSE TISSUE (metabolism); ANIMAL; BODY WEIGHT; CREATININE (urine); DIET; DISEASE MODELS, ANIMAL; EPINEPHRINE (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (metabolism); GLUCONEOGENESIS; GLUCOSE TOLERANCE TEST; INSULIN (metabolism); LIPIDS (metabolism); LIVER GLYCOGEN (metabolism); LIVER (metabolism); MALE; PYELONEPHRITIS (metabolism); RATS; SOMATOTROPIN (secretion); STREPTOCOCCAL INFECTIONS (metabolism); THEOPHYLLINE (pharmacodynamics); TOLBUTAMIDE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Davis EJ

STUDIES ON THE ACTIVE TRANSFER OF REDUCING EQUIVALENTS INTO MITOCHONDRIA VIA THE MALATE-ASPARTATE SHUTTLE. Bremer J, Davis EJ *Biochim Biophys Acta* 376: 387-97, 20 Mar 75 (Eng)

Davis JC

TREATMENT OF ACROMEGALY WITH BROMOCRYPTINE. Summers VK, Hipkin LJ, Diver MH, Davis JC *J Clin Endocrinol Metab* 40: 904-6, May 75 (Eng)

Davis LR

FAILURE OF LABORATORY AND RADIOLOGICAL STUDIES TO PREDICT JEJUNAL MUCOSAL ATROPHY. Sanderson MC, Davis LR, Mowat AP *Arch Dis Child* 50: 526-31, Jul 75 (Eng)

De Asua LJ

INITIATION OF CELL PROLIFERATION IN CULTURED MOUSE FIBROBLASTS BY PROSTAGLANDIN F₂ALPHA. De Asua LJ, Clingan D, Rudland PS *Proc Natl Acad Sci USA* 72: 2724-8, Jul 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ARACHIDONIC ACIDS (pharmacodynamics); CATTLE; CELL DIVISION (drug effects); CELLS, CULTURED; CULTURE MEDIA; DNA REPLICATION (drug effects); ELEDIOISIN (pharmacodynamics); FIBROBLASTS (metabolism, drug effects); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); INSULIN (pharmacodynamics); LINOLEIC ACIDS (pharmacodynamics); MICE;

OXYTOCIN (pharmacodynamics); PROSTAGLANDINS E (pharmacodynamics); PROSTAGLANDINS F (pharmacodynamics).

de Jerphanion MB

ATPASE INHIBITOR FROM YEAST MITOCHONDRIA. PURIFICATION AND PROPERTIES. Sastre M, de Jerphanion MB, Huet J, Vignais PV *Biochim Biophys Acta* 387: 241-55, 15 May 75 (Eng)

De la Calle Basco H

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION. INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Esp* 138: 321-6, 31 Aug 75 (Spa)

De La Higuera Rojas J

[INVOLVEMENT OF THE LUNG IN LIPID METABOLISM] Gonzalez Santos P, De La Higuera Rojas J *Rev Clin Esp* 136: 291-6, 28 Feb 75 (Spa) [34]

De Luca F

[BETA 2 SPECIFICITY OF SALBUTAMOL: METABOLIC EVALUATIONS] Gemelli M, Barberio G, De Luca F, Franchina A *Boll Soc Ital Biol Sper* 50: 663-6, 30 May 74 (Ita)

de Micheli A

[PROTECTIVE EFFECT OF GLUCOSE-INSULIN-POTASSIUM SOLUTIONS IN MYOCARDIAL DAMAGE CAUSED BY EMETINE] de Micheli A, Medrano GA, Villarreal A, Sodi-Palares D *Arch Inst Cardiol Mex* 45: 469-86, Jul-Aug 75 (Spa)

ANIMAL; ARRHYTHMIA (chemically induced); BLOOD PRESSURE (drug effects); CLINICAL RESEARCH; DOGS; DRUG COMBINATIONS; DRUG EVALUATION; ELECTROCARDIOGRAPHY; EMETINE (toxicity); ENGLISH ABSTRACT; GLUCOSE (pharmacodynamics); HEART CONDUCTION SYSTEM (drug effects); HEART RATE (drug effects); HEART (drug effects); INJECTIONS, INTRAVENOUS; INSULIN (pharmacodynamics); POTASSIUM (pharmacodynamics); TIME FACTORS.

De Paepc M

INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paepc M, Marcus S, Peeters G *J Endocrinol* 66: 213-24, Aug 75 (Eng)

De V. Meiring P

PROBLEMS RELATING TO THE DISCHARGE OF ELDERLY PATIENTS FROM HOSPITAL. Hofmeyr H, De V. Meiring P *S Afr Med J* 49: 1614-6, 13 Sep 75 (Eng)

Dean HG

PLASMA ADRENALINE CONCENTRATIONS IN RATS: INFLUENCE OF ANAESTHETICS AND HEART RATE RESPONSE TO PRONETHALOL. Dean HG, Rylett PA *J Pharm Pharmacol* 27: 70-1, Jan 75 (Eng)

ANESTHESIA; ANESTHETICS (pharmacodynamics); ANIMAL EXPERIMENTS; BLOOD SUGAR; EPINEPHRINE (blood); FEMALE; HEART RATE (drug effects); PENTOBARBITAL (pharmacodynamics); PRONETHALOL (pharmacodynamics); RATS; STIMULATION, CHEMICAL.

Debry G

[COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANN, GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQUES DURING THE ORAL GLUCOSE TOLERANCE TEST] Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)

Decaens C

[IN VITRO BIOSYNTHESIS OF THE MACROMOLECULES OF GASTRIC MUCOSA] Waldron-Edward D, Decaens C, Bader JP, Robert L *C R Acad Sci [D] (Paris)* 279: 1397-9, 14 Oct 74 (Fre)

Dechesne M

STUDIES ON POLYPEPTIDES. VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Heding LG, Larsen UD *Hoppe Seylers Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

Decker RV

CIRCULAR DICHROISM OF ERYTHROCYTE MEMBRANE GLYCOPROTEINS. Decker RV, Carraway KL *Biochim Biophys Acta* 386: 52-61, 28 Mar 75 (Eng)

ALCOHOL, ETHYL (analogs & derivatives); ANIMAL EXPERIMENTS; BINDING SITES; CATTLE; CELL MEMBRANE (analysis); CIRCULAR DICHROISM; ERYTHROCYTES (analysis); GLYCOPROTEINS; GUANIDINES; HORSES; HUMAN; PRONASE; PROTEIN BINDING; PROTEIN CONFORMATION; SODIUM DODECYL SULFATE; SPECIES SPECIFICITY; SPECTROPHOTOMETRY, ULTRAVIOLET; TROMETHAMINE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Dekirmenjian H

GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Deleon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)

Del Guercio MJ

MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiomello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

Deleon-Jones F

GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Deleon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)

Delvalle JA

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)

den Otter W

CONCENTRATIONS IN VITRO OF VARIOUS ENZYMES IN LIVER HOMOGENATES DURING THE FIRST FEW DAYS OF A PERIOD OF STARVATION. den Otter W *PeriodontolUn* 63: 611-24, av 754 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); COMPARATIVE STUDY; DIETARY CARBOHYDRATES; DIETARY FATS; GLUCOKINASE (metabolism); GLUCOSEPHOSPHATASE (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN SYNTHETASE (metabolism); HEXOKINASE (metabolism); LIVER GLYCOGEN (metabolism); LIVER (enzymology); MALE; RATS; STARVATION (enzymology).

Denswil EH

SERUM GLYCOPROTEIN LEVEL AS A POSSIBLE EARLY SCREENING FOR THE DEVELOPMENT OF DIABETIC RETINOPATHY. Denswil EH, Huitink MA, Junge J *Ophthalmologica* 171: 316-7, 1975 (Eng)

DIABETIC RETINOPATHY (blood); GLYCOPROTEINS (blood); HUMAN.

Diabetes Literature—Author Index

Desai PR

Desai PR

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-CONTAINING MACROMOLECULES. Springer GF, Mittal KK, Terasaki PI, Desai PR, McIntire FC, Hirata AA. *Z Immunitätsforsch* 145: 166-75, May 75 (Eng)

Descovich GC

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C. *Chronobiologia* 1: Apr-Jun 74 (Eng)

ADULT; AGED; AGING; CATECHOLAMINES (urine); CIRCADIAN RHYTHM; EPINEPHRINE (urine, physiology); FEMALE; HUMAN; MALE; MIDDLE AGE; NOREPINEPHRINE (urine, physiology).

Devis G

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ. *Diabetes* 24: 892-901, Oct 75 (Eng)

DeVona TS

FAILURE OF FREE FATTY ACIDS TO INFLUENCE DEGREE OF MYOCARDIAL INJURY FOLLOWING ACUTE CORONARY ARTERY OCCLUSION IN PIGS. Most AS, Capone RJ, Sydzlik P, Bruno CA, DeVona TS. *Cardiology* 59: 201-12, 1974 (Eng)

Devynck MA

[MEMBRANE-BOUND HORMONE RECEPTORS. PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS] Chevillotte E, Devynck MA, Meyer P, Rouzaire-Dubois B. *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]

Dhirawani MK

DIABETES MELLITUS (A PSYCHOSOMATIC STUDY OF 147 CASES). Bagadia VN, Havaladar PP, Gada MT, Pradhan PV, Shah LP, Dhirawani MK. *J Postgrad Med* 21: 17-29, Jan 75 (Eng)

Di Natale B

MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiumello G. *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

Diem S

METABOLIC RESPONSES OF PERFUSED RAT LIVERS TO ALPHA- AND BETA-ADRENERGIC AGONISTS, GLUCAGON AND CYCLIC AMP. Jakob A, Diem S. *Biochim Biophys Acta* 404: 57-66, 8 Sep 75 (Eng)

Dietze G

[SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehnert H, Dietze G, Haslbeck M. *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)

Dimock K

COUPLING OF GLYCINE AND ALANINE TRANSPORT TO RESPIRATION IN CELLS OF ESCHERICHIA COLI. Sprott GD, Dimock K, Martin WG, Schneider H. *Can J Biochem* 53: 262-8, Mar 75 (Eng)

Dingwall-Fordyce I

DIABETES MELLITUS IN SCOTLAND. Weir RD, Dingwall-Fordyce I. *Health Bull (Edinb)* 33: 90-2, Mar 75 (Eng)

Diplock AT

THE NUTRITIONAL AND METABOLIC ROLES OF SELENIUM AND VITAMIN E. Diplock AT. *Proc Nutr Soc* 33: 315-22, Dec 74 (Eng) [41]

AMINOPYRINE (metabolism); ANIMAL EXPERIMENTS; ANTIOXIDANTS; ENDOPLASMIC RETICULUM (metabolism); GLUTATHIONE; IRON (metabolism); MEMBRANES (metabolism); METALLOPROTEINS (metabolism); MICROSOMES, LIVER (metabolism); MITOCHONDRIA (metabolism); OXIDATION-REDUCTION; PEROXIDASES (metabolism); PEROXIDES (metabolism); PHENOBARBITAL (metabolism); REVIEW; SELENIUM (physiology, metabolism); SPECIES SPECIFICITY; VITAMIN E DEFICIENCY (metabolism); VITAMIN E (physiology, metabolism).

Dittrich HH

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HH, von Dorsche HH. *Anat Anz* 137: 470-8, 1975 (Ger)

AMINO ACID SEQUENCE; DIABETES MELLITUS (history); HISTORICAL ARTICLE; HISTORY OF MEDICINE, ANCIENT; HISTORY OF MEDICINE, MEDIEVAL; HISTORY OF MEDICINE, 15TH CENT.; HISTORY OF MEDICINE, 16TH CENT.; HISTORY OF MEDICINE, 17TH CENT.; HISTORY OF MEDICINE, 18TH CENT.; HISTORY OF MEDICINE, 19TH CENT.; HISTORY OF MEDICINE, 20TH CENT.; INSULIN (history, isolation & purification, chemical synthesis); ISLANDS OF LANGERHANS (anatomy & histology, physiology); PANCREATECTOMY (history).

Diver MH

TREATMENT OF ACROMEGALY WITH BROMOCRYPTINE. Summers VK, Hipkin LJ, Diver MH, Davis JC. *J Clin Endocrinol Metab* 40: 904-6, May 75 (Eng)

Dmochowski L

CELL MEMBRANES AND DISEASE. GENES, VIRUSES, HORMONES AND THE IMMUNE RESPONSE--AN INTRODUCTION. Dmochowski L, Bowen JM. *Am J Clin Pathol* 63: 619-28, May 75 (Eng) [32]

ANIMAL EXPERIMENTS; ANTIGENS, NEOPLASM; CELL MEMBRANE (immunology); GENES; GLYCOPROTEIDS (immunology); HORMONES; HUMAN; IMMUNITY, CELLULAR; IMMUNOGENETICS; LIPIDS (analysis); MICROSCOPY, ELECTRON; NEOPLASMS (immunology, pathology); REVIEW; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VIRUSES; X-RAY DIFFRACTION.

Doelle HW

ATP-SENSITIVE AND ATP-INSENSITIVE PHOSPHOFRUCTOKINASE IN ESCHERICHIA COLI K-12. Doelle HW. *Eur J Biochem* 50: 335-42, 2 Jan 75 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); AEROBIOSIS; ANAEROBIOSIS; CHROMATOGRAPHY, ION EXCHANGE; ELECTROPHORESIS, POLYACRYLAMIDE GEL; ENZYME ACTIVATION (drug effects); ESCHERICHIA COLI (enzymology, drug effects); GEL FILTRATION; KINETICS; MACROMOLECULAR SYSTEMS; MOLECULAR WEIGHT; PHOSPHOFRUCTOKINASE (metabolism, isolation & purification); RIBONUCLEOTIDES (pharmacodynamics).

Doi K

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED RATS. Kuroshima A, Doi K, Kurahashi M, Ono T. *Jpn J Physiol* 25: 275-85, 1975 (Eng)

Dolan P

LIPOPROTEIN-ACID MU-COPOLYSACCHARIDE COMPLEXES OF HUMAN ATHEROSCLEROTIC LESIONS. Srinivasan SR, Radhakrishnamurthy B, Pargaonkar PS, Berenson GS, Dolan P. *Biochim Biophys Acta* 388: 58-70, 18 Apr 75 (Eng)

Domanski A

PROCEEDINGS: BLOOD FLOW AND SUBSTRATE UPTAKE AND OXIDATION IN THE HIND LIMB MUSCLES OF SHEEP. Domanski A, Linksay DB, Setchell BP. *J Physiol (Lond)* 242: 28-29P, Oct 74 (Eng)

ANIMAL EXPERIMENTS; BLOOD FLOW VELOCITY; BLOOD SUGAR; HINDLIMB MUSCLES (blood supply, metabolism); OXYGEN (blood); REGIONAL BLOOD FLOW; SHEEP.

Domschke S

DERMATITIS HERPETIFORMIS AND SMALL INTESTINAL LESION--NO STRICT ASSOCIATION IN GERMAN PATIENTS. Rupp H, Weidner F, Domschke S, Domschke W, Classen M, Hornstein OP. *Acta Hepatogastroenterol (Stuttg)* 22: 105-11, Apr 75 (Eng)

Domschke W

DERMATITIS HERPETIFORMIS AND SMALL INTESTINAL LESION--NO STRICT ASSOCIATION IN GERMAN PATIENTS. Rupp H, Weidner F, Domschke S, Domschke W, Classen M, Hornstein OP. *Acta Hepatogastroenterol (Stuttg)* 22: 105-11, Apr 75 (Eng)

Donath U

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL)] Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ. *Anaesthesist* 23: 101-4, Mar 74 (Ger)

Doniach I

POST-MORTEM HISTOLOGY OF THE ISLETS OF LANGERHANS IN JUVENILE DIABETES MELLITUS. Doniach I. *Postgrad Med J* 50 SUPPL 3: 544-5, Aug 74 (Eng)

ADULT; CHILD; DIABETES MELLITUS, JUVENILE (pathology); HUMAN; ISLANDS OF LANGERHANS (pathology); MIDDLE AGE.

Donohue M

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL. *J Appl Physiol* 38: 236-40, Feb 75 (Eng)

Doron M

PLASMA GLUCAGON RESPONSE TO ARGinine INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissmann I. *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

Doty DM

PLASMA PROTEIN BINDING OF EPINEPHRINE. Russell JC, Doty DM. *Physiol Chem Phys* 5: 75-86, 1973 (Eng)

Douglas JM

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG. *Age Ageing* 3: 229-39, Nov 74 (Eng)

Dragomir CT

XENON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciuca L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE; CALCIUM (metabolism); CELL MEMBRANE (metabolism, drug effects); ERYTHROCYTES (metabolism, drug effects); HUMAN; KINETICS; MATHEMATICS; OUBAIN (pharmacodynamics); POTASSIUM (metabolism); TEMPERATURE; TIME FACTORS; XENON (blood).

Dreyfuss G

[CONTROL OF DIABETES BY DIET ALONE IN PATIENTS RECEIVING ORAL HYPOGLYCEMIC DRUGS] Dreyfuss G, Canaan Z *Harefuah* 89: 254-6, 16 Sep 75 (Heb)

ADMINISTRATION, ORAL; DIABETES MELLITUS (diet therapy, drug therapy); ENGLISH ABSTRACT; HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use, administration & dosage).

Drouin J

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

Drucker WR

THE INFLUENCE OF DIET ON RESPONSE TO HEMORRHAGIC SHOCK. Drucker WR, Howard PL, McCoy S *Ann Surg* 181: 698-704, May 75 (Eng)

ANIMAL EXPERIMENTS; ANIMAL NUTRITION; BLOOD PRESSURE; BLOOD SUGAR (analysis); BODY WEIGHT; DIET; DIETARY CARBOHYDRATES; DIETARY PROTEINS; DISEASE MODELS, ANIMAL; HEMATOCRIT; MALE; PILOT PROJECTS; RATS; SHOCK (physiopathology, metabolism); SHOCK, HEMORRHAGIC (physiopathology, metabolism, mortality); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Drummond KN

ACUTE RENAL FAILURE: AN IMPORTANT COMPLICATION OF CARDIAC SURGERY IN INFANTS. Chesney RW, Kaplan BS, Freedom RM, Haller JA, Drummond KN *J Pediatr* 87: 381-8, Sep 75 (Eng)

Ducimetiere P

[ACHILLEAN REFLEXOGRAM : ITS MEASUREMENT AND ITS CORRELATIONS WITH VARIOUS CLINICAL AND BIOLOGICAL FACTORS IN 2 WORKING MALE POPULATIONS] Kritsis K, Ducimetiere P, Richard JL *Sem Hop Paris* 51: 2109-17, 10-20 Jul 75 (Fre)

Dudley HA

PROCEEDINGS: DIURNAL RHYTHM OF GASTRIN AND GLUCAGON. Ellis BW, Russell RC, Bloom SR, Dudley HA *Br J Surg* 62: 664, Aug 75 (Eng)

Dugas MC

AN ANALYSIS OF THE D-GLUCOSE INFLUX KINETICS OF IN VITRO HAMSTER JEJUNUM, BASED ON CONSIDERATIONS OF THE MASS-TRANSFER COEFFICIENT. Dugas MC, Ramaswamy K, Crane RK *Biochim Biophys Acta* 382: 576-89, 8 Apr 75 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; BIOLOGICAL TRANSPORT, ACTIVE; GLUCOSE (metabolism); HAMSTERS; JEJUNUM (metabolism); KINETICS; MATHEMATICS; MODELS, BIOLOGICAL;

REGRESSION ANALYSIS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Duhm J

GLYCOLYSIS IN HUMAN ERYTHROCYTES CONTAINING ELEVATED CONCENTRATIONS OF 2, 3-P2-GLYCERATE. Duhm J *Biochim Biophys Acta* 385: 68-80, 14 Mar 75 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); COMPARATIVE STUDY; DIPHOSPHOGLYCERIC ACIDS (pharmacodynamics, blood); ERYTHROCYTES (metabolism); GLUCOSE (metabolism); GLUCOSEPHOSPHATES (metabolism); GLYCOLYSIS (drug effects); HEMOGLOBINS (metabolism); HEXOKINASE (metabolism); HUMAN; HYDROGEN-ION CONCENTRATION; LACTATES (metabolism); METHYLENE BLUE (pharmacodynamics); PHOSPHATES, INORGANIC (metabolism); PYRUVATE KINASE (metabolism).

Dular R

ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY. Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)

Duncan LJ

[DURATION OF EFFECTIVE HYPOGLYCAEMIC ACTION OF GLIPIZIDE GIVEN ONCE DAILY (AUTHORS TRANSL)] Azzopardi J, Campbell IW, Clarke BF, Duncan LJ *Med Klin* 70: 1214-8, 11 Jul 75 (Ger)

Dupre J

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DISPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

Dura K

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

Durlach J

[MAGNESIUM DEFICIENCY IN THE RAT AND VARIATION OF SEVERAL PARAMETERS IN RELATION TO LIPID METABOLISM] Raysiguiet Y, Larvor P, Durlach J *C R Soc Biol (Paris)* 168: 736-8, 1974 (Fre)

Dzhirkolova T

[THE MECHANISM OF THE FAVORABLE EFFECT OF INSULIN ON STRIATE MUSCULATURE FOLLOWING REMOVAL OF PLASTER CASTS] Rusev G, Radev S, Nakov D, Dzhirkolova T *Eksp Med Morfol* 11: 96-101, 1972 (Bul)

Dzhurov A

[CHRONIC ZINC-BACITRACIN TOXICITY IN CHICKENS] Simenonov S, Pashov D, Peinikova Ts, Dzhurov A *Vet Med Nauki* 12: 100-5, 1975 (Bul)

Dzurik R

THE INABILITY OF THE INHIBITOR OF GLUCOSE UTILIZATION ISOLATED FROM THE SERUM OF URAEMIC SUBJECTS TO INHIBIT LEUCOCYTE MIGRATION. Nilus R, Otto L, Dzurik R *Int Urol Nephrol* 6: 33-4, 1974 (Eng)

Eapen J

THE INCORPORATION OF -14C FROM [1-14C] PALMITATE INTO GLUCOSE AND GLYCEROL IN MICE. Pushpendran CK, Eapen J *Can J Biochem* 53: 478-84, Apr 75 (Eng)

Economou-Mavrou C

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

Eddy TP

OBESITY. Eddy TP *Community Health (Bristol)* 6: 184-9, Jan-Feb 75 (Eng)

ADIPOSE TISSUE (metabolism); AGE FACTORS; BODY HEIGHT; BODY WEIGHT; HUMAN; OBESITY (metabolism, etiology); SKINFOLD THICKNESS.

Edmonds CJ

TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY. Edmonds CJ, Jasani BM, Smith T *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)

ADIPOSE TISSUE (analysis, metabolism); ADOLESCENCE; ADULT; AGE FACTORS; ANOREXIA NERVOSA (physiopathology); BODY HEIGHT; DIET, REDUCING; FEMALE; HUMAN; MALE; MIDDLE AGE; NUTRITION DISORDERS (physiopathology); OBESITY (metabolism); POTASSIUM (analysis, metabolism); SEX FACTORS; SKINFOLD THICKNESS.

Edwards NA

GLUCOSE UTILIZATION BY THE AVIAN SHELL GLAND. Moynihan JB, Edwards NA *Biochem Soc Trans* 3: 191-3, 1975 (Eng)

Efendic S

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

Efimova AA

[SHORT REVIEW OF THE RESULTS OF SCIENTIFIC STUDIES IN PEDIATRICS IN 1972] Efimova AA, Sagulka VV, Vintovkina IS, Shliakhtina SE *Pediatr* 58-64, Jan 74 (Rus)

ASPHYXIA NEONATORUM (prevention & control); BILIARY TRACT DISEASES (therapy); CARDIOVASCULAR DISEASES (therapy); CHILD NUTRITION; CHILD; CHILD, PRESCHOOL; COMMUNICABLE DISEASES (therapy); DIABETES MELLITUS, JUVENILE (therapy); GASTROINTESTINAL DISEASES (therapy); HUMAN; HYPERSENSITIVITY (therapy); INFANT; INFANT, NEWBORN; LEUKEMIA (therapy); MOSCOW; PEDIATRICS; RESPIRATORY TRACT DISEASES (therapy); USSR.

Efimtseva EP

[EFFECT OF THE MICROBIAL POLYSACCHARIDE, PROTEISANE, ON CERTAIN CARBOHYDRATES METABOLIC INDICES] Morozova El, Efimtseva EP, Berman AL *Antibiotiki* 19: 1009-11, Nov 74 (Rus)

Eggen DA

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. Kokatnur MG, Malcom GT, Eggen DA, Strong

Ehrenbrand F

JP *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

Ehrenbrand F

[EXTRINSIC COMPONENTS OF THE ISLAND ORGAN] Ehrenbrand F *Verh Anat Ges* 68: 617-70, 1974 (Ger)

ANIMAL: GUINEA PIGS; ISLANDS OF LANGERHANS (cytology).

Ehrenkauf RE

TRITIUM LABELING OF AMINO ACIDS IN POLYPEPTIDE HORMONES. Hembree WC, Wolf AP, Ehrenkauf RE, Lieberman S *Methods Enzymol* 37 pt b: 313-21, 1975 (Eng)

Eisen V

FORMATION AND FUNCTION OF KININS. Eisen V *Rheumatology* 3: 103-68, 1970 (Eng) [424]

ARTHRITIS (metabolism); CAPILLARY PERMEABILITY; CARDIOVASCULAR DISEASES (metabolism); CARDIOVASCULAR SYSTEM (drug effects); CENTRAL NERVOUS SYSTEM DISEASES (metabolism); DUMPING SYNDROME (metabolism); ENZYME ACTIVATION; FACTOR XII; FIBRINOLYSIS; HUMAN; HYPERSENSITIVITY (metabolism); HYPOTENSION (chemically induced); KALLIKREIN (biosynthesis, physiology); KININOGENS (physiology); KININS (biosynthesis, physiology, antagonists & inhibitors); MUSCLE, SMOOTH (drug effects); PAIN; PANCREATIC DISEASES (metabolism); REGIONAL BLOOD FLOW (drug effects); REVIEW; VASOMOTOR SYSTEM (drug effects).

Ekelund LG

STUDIES IN ASYMPTOMATIC PRIMARY HYPERLIPIDAEMIA. IV. ECG AT REST AND DURING EXERCISE AND ITS RELATION TO VARIOUS LIPOPROTEIN CLASSES. Ohlsson AG, Ekelund LG, Carlsson LA *Acta Med Scand* 198: 55-73, Jul-Aug 75 (Eng)

Elbaz J

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etievant J, Boillot A, Benediti M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

el-Asmar M

GLYCEMIC EFFECT OF VENOM FROM THE SCORPION BUTHUS MINAX (L. KOCH). el-Asmar M, Soliman SF, Ismail M, Osman OH *Toxicon* 12: 249-51, May 74 (Eng)

ANIMAL EXPERIMENTS; ANTIVENINS (pharmacodynamics); BLOOD SUGAR (metabolism); GOATS (immunology); MALE; PROPRANOLOL (pharmacodynamics); RATS; TERAPINE (pharmacodynamics); SCORPIONS; TOLAZOLINE (pharmacodynamics); VENOMS (pharmacodynamics).

el-Fiky R

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

Ellerman J

IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hover BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)

Elliott CD

CHANGES IN PLASMA GLUCOSE AND LACTATE CONCENTRATIONS AND ENZYME ACTIVITIES IN THE NEONATAL CALF

Diabetes Literature—Author Index

WITH DIARRHEA. Lewis LD, Phillips RW, Elliott CD *Am J Vet Res* 36: 413-6, Apr 75 (Eng)

Ellis BW

PROCEEDINGS: DIURNAL RHYTHM OF GASTRIN AND GLUCAGON. Ellis BW, Russell RC, Bloom SR, Dudley HA *Br J Surg* 62: 664, Aug 75 (Eng)

CIRCADIAN RHYTHM; DIURNAL RHYTHM; GASTRIN (blood); GLUCAGON (blood); HUMAN; SLEEP STAGES.

Ellis LC

EFFECTS OF VITAMIN E DEFICIENCY ON GSH-INDUCED SWELLING OF RAT LIVER MITOCHONDRIA. Alojzic SO, Ellis LC, Johnson RM, Street JC *Proc Soc Exp Biol Med* 148: 929-32, Mar 75 (Eng)

Elser H

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL.)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

Emas S

THE INSULIN TEST: NEGATIVE AND POSITIVE TESTS VERSUS NUMERICAL VALUES. Emas S, Borg I *Scand J Gastroenterol* 10: 609-16, 1975 (Eng)

ADULT; AGED; BLOOD SUGAR (metabolism); DEOXYGLUCOSE (pharmacodynamics); DEPRESSION, CHEMICAL; DUODENAL ULCER (metabolism, diagnosis, surgery); GASTRIC JUICE (secretion); HUMAN; INSULIN (diagnostic use, pharmacodynamics); MALE; MIDDLE AGE; SECRETORY RATE (drug effects); STIMULATION, CHEMICAL; VAGOTOMY.

Emonet-Denand F

[DETERMINATION OF THE DISTRIBUTION OF GAMMA FUSIMOTOR AXONS IN THE CAT BY GLYCOGEN DEPLETION] Barker D, Emonet-Denand F, Harker D, Jami L, Laporte Y *C R Acad Sci [D] (Paris)* 279: 1595-8, 4 Nov 74 (Fre)

Endou H

RELATIONSHIP BETWEEN L-ALANINE AND SODIUM ION TRANSPORT IN ISOLATED RENAL TUBULES. Endou H, Reuter E, Weber H *Biochim Biophys Acta* 389: 516-29, 21 May 75 (Eng)

ALANINE (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CLOSTRIDIOPOLYMERASE A; DINITROPHENOLS (pharmacodynamics); FEMALE; IN VITRO; INULIN (metabolism); KIDNEY TUBULES (metabolism, drug effects); KINETICS; MALE; RATS; SODIUM (metabolism); STROPHANTHINS (pharmacodynamics); TEMPERATURE, TIME FACTORS.

Engasser JM

DYNAMIC ROLE OF BUFFERS: FACILITATED TRANSPORT OF PROTONS, WEAK ACIDS AND BASES. Engasser JM, Horvath C *Physiol Chem Phys* 6: 541-3, 1974 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; BUFFERS; CARBON DIOXIDE (metabolism); DIFFUSION; HEMOGLOBINS (metabolism); HYDROGEN-ION CONCENTRATION; MODELS, BIOLOGICAL; OXYGEN (blood).

Engelhardt W

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS

PREGNANCY (AUTHORS TRANSL.)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

ADULT; BLOOD SUGAR (metabolism); BODY WEIGHT; CARBOHYDRATES (metabolism); CHLORMADINONE (adverse effects); CONTRACEPTIVES, ORAL (adverse effects); CONTRACEPTIVES, ORAL, SYNTHETIC (adverse effects); DRUG COMBINATIONS; ENGLISH ABSTRACT; ETHYNIODIOL DIACETATE (adverse effects); GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; LYNSTRENOL (adverse effects); MALE; MESTRANOL (adverse effects); NORETHINDRONE (adverse effects); PREDIABETIC STATE; PREGNANCY IN DIABETES; PREGNANCY TRIMESTER, SECOND; PREGNANCY TRIMESTER, THIRD; PREGNANCY; PUERPERIUM.

Epstein S

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

Erlandsen SL

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

ANIMAL; CROSS REACTIONS; FEMALE; GLUCAGON (analysis, immunology); IMMUNOELECTROPHORESIS; INSULIN (analysis, immunology); MALE; MAMMARY NEOPLASMS, EXPERIMENTAL (analysis); MICROSCOPY, ELECTRON; PANCREAS (analysis, ultrastructure); PITUITARY GLAND (analysis, ultrastructure); RADIOIMMUNOASSAY; RATS; SOMATOTROPIN (analysis, immunology); SUBCELLULAR FRACTIONS (analysis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Ermiler R

[EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Ziler T, Waldthaler A, Ermiler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)

Espinoza J

REGIONAL VARIATION IN GLYCOLYTIC ENZYME ADAPTATION TO DIETARY SUGARS IN RAT SMALL INTESTINE. Espinoza J, Hritz A, Kaplan R, Clark SB, Rosensweig NS *Am J Clin Nutr* 28: 453-8, May 75 (Eng)

ALDEHYDE-LYASES (metabolism); ANIMAL EXPERIMENTS; ANIMAL NUTRITION; DIETARY CARBOHYDRATES (administration & dosage); DUODENUM (enzymology); FRUCTOSEPHOSPHATE ALDOLASE (metabolism); FRUCTOSEPHOSPHATES; GLUCOSE (pharmacodynamics); GLYCOLYSIS; ILEUM (enzymology); INTESTINAL MUCOSA (enzymology); INTESTINE, SMALL (enzymology, drug effects); JEJUNUM (enzymology); MALE; PYRUVATE KINASE (metabolism); RATS; SUCROSE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Estensen R

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS. Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuehl FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

Etievant J

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelo G, Kahn J, Elbaz J, Etievant J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

Evans SW

POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)

Everly JL

[35-SULFATE INCORPORATION INTO MYELIN GLYCOPROTEINS; II. PERIPHERAL NERVOUS TISSUE. Matthieu JM, Everly JL, Brady RO, Quarles RH *Biochim Biophys Acta* 392: 167-74, 5 May 75 (Eng)

Exss R

[JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A. COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL)] Azubuike JC, Gullotta F, Kallfelz HC, Gellissen K, Mende S, Exss R *Neuropadiatrie* 6: 292-306, Aug 75 (Ger)

Fabbri E

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

Fajans SS

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Icc RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

Falk JL

DILUTIONAL HYPONATREMIA DUE TO DIAZOXIDE-PRODUCED POLYDIPSIA. Tang M, Falk JL *Pharmacol Biochem Behav* 3: 115-9, Jan-Feb 75 (Eng)

Faller A

[LIGHT- AND ELECTRON MICROSCOPY STUDIES OF STRUCTURAL CHANGES WITHIN THE EXO- AND ENDOCRINE PANCREAS OF THE ALBINO RAT IN 2-, 3-, 4-, AND 6-WEEK-LONG BI-AVITAMINOSIS] Faller A *Verh Anat Ges* 68: 621-39, 1974 (Ger)

ANIMAL; COMPARATIVE STUDY; ENGLISH ABSTRACT; ISLANDS OF LANGERHANS (pathology, ultrastructure); MALE; PANCREAS (pathology, ultrastructure); RATS; THIAMINE DEFICIENCY; TIME FACTORS; VITAMIN B DEFICIENCY (pathology).

Fang WF

PHARMACOLOGIC EFFECTS OF GASTROINTESTINAL HORMONES ON INTESTINAL OXYGEN CONSUMPTION AND BLOOD FLOW. Bowen JC, Pawlik W, Fang WF, Jacobson ED *Surgery* 78: 515-9, Oct 75 (Eng)

Fanska R

INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS. II. Grodsky GM, Fanska R, Lundquist I *Endocrinology* 97: 573-80, Sep 75 (Eng)

Faurischou P

RHEUMATOID PLEURITIS AND THORACOSCOPY. Faurischou P *Scand J Respir Dis* 55: 277-83, 1974 (Eng)
ADULT; AGED; ARTHRITIS, RHEUMATOID (diagnosis, complications); BIOPSY: BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); COMPLEMENT FIXATION TESTS; CYTOPLASMIC GRANULES; FEMALE; GRANULOCYTES; HEMAGGLUTINATION TESTS; HUMAN; LACTATE DEHYDROGENASE; LATEX FIXATION TESTS; LEUKOCYTE COUNT; LUNG (pathology); MALE; MIDDLE AGE; PLEURA (pathology); PLEURAL EFFUSION (enzymology); PLEURISY (diagnosis, complications, blood); RHEUMATOID FACTOR (analysis); THORACOSCOPY.

Fawcett CP

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

Feigen LP

MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PANCREATICTOMIZED DOG. Coleman B, Kallal JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)

Felber JP

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

Feldman G

[LETTER: HYPOGLYCEMIA AND PERHEXILINE] Feldman G *Nouv Presse Med* 3: 2580, 30 Nov-14 Dec 74 (Fre)

ANGINA PECTORIS (drug therapy); CASE REPORT; HUMAN; HYPOGLYCEMIA (chemically induced); MALE; MIDDLE AGE; PERHEXILINE (therapeutic use, adverse effects); PIPERIDINES (adverse effects).

Feldman SA

CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)

ADOLESCENCE; ADULT; AGED; ALASKA; ARCTIC REGIONS; BLOOD SUGAR (metabolism); CARBOHYDRATES (metabolism); CHILD; CHOLESTEROL (blood); CHYLOMICRONS (metabolism); DIETARY CARBOHYDRATES (administration & dosage); ESKIMOS; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; LIPIDS (metabolism); LIPOPROTEINS (blood); MALE; MIDDLE AGE; SUCROSE (administration & dosage); TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Feldstein B

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Icc RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

Felig P

FUEL HOMEOSTASIS IN EXERCISE. Felig P, Wahren J *N Engl J Med* 293: 1078-84, 20 Nov 75 (Eng)
AMINO ACIDS (metabolism); ANIMAL; BLOOD SUGAR (analysis, metabolism); CATECHOLAMINES (blood); DIABETES MELLITUS (metabolism); DOGS; ENERGY METABOLISM; EXERCISE; FATTY ACIDS, NONESTERIFIED (metabolism); GLUCAGON (blood); GLUCONEOGENESIS; GLUCOSE (metabolism); HOMEOSTASIS; HUMAN; INSULIN (blood); LIVER GLYCOGEN (metabolism); LIVER (metabolism); MUSCLE PROTEINS (metabolism); MUSCLES (metabolism); OXYGEN CONSUMPTION; PROTEINS (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Fender HR

CHOLECYSTOKININ METABOLISM IN MAN AND DOGS. Thompson JC, Fender HR, Ramus NI, Villar HW, Rayford PL *Ann Surg* 182: 496-504, Oct 75 (Eng)

Ferdynus J

[SJOGERG'S SYNDROME WITH PROGRESSIVE SYSTEMIC SCLEROSIS AND PRIMARY DIABETES IN A 12-YEAR-OLD GIRL] Wscolowska H, Ludwiczak H, Ferdynus J *Reumatologia* 13: 215-9, 1975 (Pol)

Fernandez-Cruz A

[INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerrato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Exp* 138: 107-11, 31 Jul 75 (Spa)

Fløthenhag K

CHARACTERIZATION OF HUMAN GROWTH HORMONE PREPARATIONS USED FOR THE TREATMENT OF PITUITARY DWARFISM: A COMPARISON OF CONCURRENTLY USED BATCHES. Holmstrom B, Fløthenhag K *J Clin Endocrinol Metab* 40: 856-62, May 75 (Eng)

Ficara AJ

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficara AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

ADULT; AGED; BLOOD PROTEINS (metabolism); BLOOD SUGAR (metabolism); COMPARATIVE STUDY; DIABETES MELLITUS (metabolism, blood); FEMALE; GINGIVA (metabolism, metabolism); GINGIVAL EXUDATE (metabolism); GLUCOSE (metabolism); HUMAN; MALE; MIDDLE AGE; PROTEINS (metabolism).

Fiedler H

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORY PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Freyse EJ, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

Fiegel G

[JUVENILE MYOCARDIAL INFARCT AND ITS RISK FACTORS. RESULTS FROM 172 CASES] Fiegel G *Z Allgemeinmed* 51: 939-41, 31 Jul 75 (Ger)

Field JB

ADULT; DIABETES MELLITUS (complications); FEMALE; FOCAL INFECTION (complications); HUMAN; HYPERLIPIDEMIA (complications); HYPERTENSION (complications); MALE; MYOCARDIAL INFARCT (etiology); OBESITY (complications); SMOKING (complications).

Field JB

THYROID-STIMULATING HORMONE AND CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN THE REGULATION OF THYROID GLAND FUNCTION. Field JB *Metabolism* 24: 381-93, Mar 75 (Eng) [63]
ADENOSINE CYCLIC 3,5-MONOPHOSPHATE (physiology, analysis); **ADENYL CYCLASE** (metabolism); **ANIMAL EXPERIMENTS**; **CATTLE**; **CELL MEMBRANE** (metabolism, enzymology); **COMPARATIVE STUDY**; **ENZYME ACTIVATION**; **GLUCOSE** (metabolism); **GUANOSINE CYCLIC 3,5-MONOPHOSPHATE** (physiology); **GUINEA PIGS**; **IN VITRO**; **IODINE RADIOISOTOPES**; **MAGNESIUM** (pharmacodynamics); **PHOSPHOLIPIDS** (metabolism); **POTASSIUM** (pharmacodynamics); **PROSTAGLANDINS** (pharmacodynamics); **PROTEIN BINDING**; **PROTEIN KINASE** (metabolism); **RECEPTORS**; **HORMONE**; **REVIEW**; **THYROID GLAND** (physiology, cytology, enzymology, metabolism); **THYROTROPIN** (physiology, pharmacodynamics); **TRITIUM**.

METHODS FOR ASSESSING HORMONE (TSH) EFFECTS ON GLUCOSE OXIDATION AND PHOSPHOLIPID SYNTHESIS. Field JB *Methods Enzymol* 37 pt b: 262-8, 1975 (Eng)

ANIMAL EXPERIMENTS; **GLUCOSE** (metabolism); **HUMAN**; **IN VITRO**; **MALE**; **METHODS**; **PHOSPHATIDIC ACIDS** (biosynthesis); **PHOSPHATIDYL CHOLINE** (biosynthesis); **PHOSPHATIDYL ETHANOLAMINE** (biosynthesis); **PHOSPHATIDYL INOSITOL** (biosynthesis); **PHOSPHATIDYL SERINE** (biosynthesis); **PHOSPHOLIPIDS** (biosynthesis); **RATS**; **SPECIES SPECIFICITY**; **SPHINGOMYELINS** (biosynthesis); **STIMULATION, CHEMICAL**; **THYROID GLAND** (metabolism, drug effects); **THYROTROPIN** (pharmacodynamics).

Filaretov AA

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOTHYROID-ADRENAL CORTEX SYSTEM] Shaliapina VG, Filaretov AA *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

Filer LJ Jr

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Filer LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

Fiouzabadi H

[ARTERITIS IN AGED PATIENTS] Cormier JM, Fiouzabadi H, Gigou F *J Chir (Paris)* 109: 575-90, May-Jun 75 (Fre)

Firsov LM

A STUDY OF THE MECHANISM OF ACTION OF PHOSPHORYLASE B USING ISOTOPE-LABELLED SUBSTRATES. Firsov LM, Bogacheva TI, Bresler SE *Mol Biol* 8: 454-60, Jan 75 (Eng)

ALKALINE PHOSPHATASE (metabolism); **CARBON RADIOISOTOPES**; **CHROMATOGRAPHY**; **ION EXCHANGE**; **DEUTERIUM**; **GLYCOGEN PHOSPHORYLASE** (metabolism); **GLYCOGEN** (biosynthesis); **ISOTOPE LABELING**; **KINETICS**; **MATHEMATICS**; **OPTICAL ROTATION**; **TRITIUM**.

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Firstater E

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

Fischer EH

AMINO ACID SEQUENCE OF TWO FUNCTIONAL SITES IN YEAST GLYCOGEN PHOSPHORYLASE. Lerch K, Fischer EH *Biochemistry* 14: 2009-14, 6 May 75 (Eng)

Fischer K

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

Fischer U

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Freyre EJ, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

ANIMAL; **ATROPINE** (pharmacodynamics, administration & dosage); **BLOOD SUGAR** (metabolism); **DEPRESSION, CHEMICAL**; **DOGS**; **ENGLISH ABSTRACT**; **ESOPHAGEAL FISTULA** (metabolism); **FATTY ACIDS**; **NONESTERIFIED** (blood); **FEMALE**; **GLUCOSE** (pharmacodynamics, metabolism, administration & dosage); **INSULIN** (secretion, blood); **INTESTINAL ABSORPTION**; **MALE**.

Fisher ER

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

Fishman PH

MUTAROTASE (ALDOSE 1-EPIMERASE) FROM KIDNEY CORTEX. Bailey JF, Fishman PH, Kusiak JW, Mulhern S, Pentchev PG *Methods Enzymol* 41: 471-84, 1975 (Eng)

Fitzgibbon GM

CARDIOMYOPATHY—THE FREQUENTLY FORGOTTEN MIMIC: CLINICAL AND OPEN-CHEST MYOCARDIAL BIOPSY STUDIES. Fitzgibbon GM *Aviat Space Environ Med* 46: 1248-50, Oct 75 (Eng)

ADULT; **CORONARY DISEASE** (diagnosis); **DIAGNOSIS**; **DIFFERENTIAL**; **ELECTROCARDIOGRAPHY**; **FEMALE**; **GLUCOSE TOLERANCE TEST**; **HEART SOUNDS**; **HEMODYNAMICS**; **HUMAN**; **IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS** (diagnosis); **MALE**; **MIDDLE AGE**.

Fitzpatrick GF

GLYCEROL: MAJOR CONTRIBUTOR TO THE SHORT TERM PROTEIN SPARING EFFECT OF FAT EMULSIONS IN NORMAL MAN. Brennan MF, Fitzpatrick GF, Cohen KH, Moore FD *Ann Surg* 182: 386-94, Oct 75 (Eng)

Flatau E

MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN. Gefel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

Flier JS

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)
ANIMAL; **ANTIGEN-ANTIBODY REACTIONS**; **AUTOANTIBODIES**; **BINDING SITES**; **DIABETES MELLITUS** (immunology, metabolism); **ERYTHROCYTES** (metabolism); **FEMALE**; **HUMAN**; **INSULIN RESISTANCE**; **INSULIN** (metabolism); **LIVER** (metabolism); **LYMPHOCYTES** (metabolism); **MONOCYTES** (metabolism, immunology); **RATS**; **RECEPTORS**; **HORMONE**; **SYNDROME**.

Florez Tascon M

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larrero LA, Ramirez A, Florez Tascon M, Schuller A *Rev Clin Esp* 138: 475-9, 15 Sep 75 (Spa)

Foglia VG

[EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PANCREATCTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Rietti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irusta O, Foglia VG *Rev Soc Argent Biol* 48-49: 48-60, Apr 72-Nov 73 (Spa)

Folk ED

CERTAIN NON-AUDITORY PHYSIOLOGICAL RESPONSES TO NOISES. Brown JE, Thompson RN, Folk ED *Am Ind Hyg Assoc J* 36: 285-91, Apr 75 (Eng)

Folsch UR

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL.)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

Forgacs S

[GASTROINTESTINAL COMPLICATIONS OF DIABETES MELLITUS] Forgacs S *Med Klin* 70: 1424-31, 5 Sep 75 (Ger)

AGED; **BILIARY TRACT DISEASES** (etiology); **DEGLUTITION DISORDERS** (etiology, radiography); **DIABETES MELLITUS** (complications, physiopathology); **DIABETIC NEUROPATHIES** (complications); **DIARRHEA** (etiology); **ENGLISH ABSTRACT**; **FEMALE**; **GASTROINTESTINAL DISEASES** (etiology, physiopathology); **GASTROINTESTINAL MOTILITY**; **HUMAN**; **MALE**; **MEGACOLON** (etiology); **MIDDLE AGE**; **MUSCLE TONUS**; **PARALYSIS** (etiology, radiography); **STOMACH DISEASES** (etiology, radiography); **VAGOTOMY**; **VAGUS NERVE** (physiopathology).

Forrest JA

PROCEEDINGS: EFFECT OF THE HISTAMINE H2 RECEPTOR ANTAGONIST, CIMETIDINE, ON INSULIN-INDUCED GASTRIC SECRETION IN MAN. Carter DC, Logan R, Forrest JA, Ansell I, Heading RC *Br J Surg* 62: 664-5, Aug 75 (Eng)

Forsham PH

ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)

Foss I

LIPOATROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYSTROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)
ADOLESCENCE; ADULT; ANIMAL; DIABETES MELLITUS (chemically induced); DIABETES MELLITUS, JUVENILE (urine); FEMALE; HUMAN; INSULIN (diagnostic use); LIPODYSTROPHY (chemically induced, urine, congenital); MALE; MICE; PEPTIDES (urine, isolation & purification); PREDNISOLONE (diagnostic use); RABBITS; RATS.

Frame CM

EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG. Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)
ANIMAL; CHOLECYSTOKININ (pharmacodynamics); DOGS; GLUCAGON (blood); INSULIN (blood); SWINE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Franchina A

[BETA 2 SPECIFICITY OF SALBUTAMOL: METABOLIC EVALUATIONS] Gemelli M, Barberio G, De Luca F, Franchina A *Boll Soc Ital Biol Sper* 50: 663-6, 30 May 74 (Ita)

Francia E

NEW ORAL ANTIDIABETIC DRUGS. SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIPS. Francia E, Marin A, Verdejo F, Sanchez MS, Morell J *Boll Chim Farm* 114: 379-92, Jul 75 (Eng)
ANIMAL; DRUG SCREENING; HYPOGLYCEMIC AGENTS (chemical synthesis, pharmacodynamics); RABBITS; STRUCTURE-ACTIVITY RELATIONSHIP; SULFONYLUREA COMPOUNDS (chemical synthesis, pharmacodynamics).

Frantz ID 3d

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Taecu HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng)
BLOOD SUGAR (analysis); COMPARATIVE STUDY; HUMAN; HYPOGLYCEMIA (diagnosis); INDICATORS AND REAGENTS; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (diagnosis); REAGENT STRIPS; TECHNOLOGY, MEDICAL (standards); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Fraser TR

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissebah AH, Clarke P, Vydelling N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissebah AH, Hope-Gill H, Vydelling N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

Frayn KN

EFFECTS OF BURN INJURY ON INSULIN SECRETION AND ON SENSITIVITY TO INSULIN IN THE RAT IN VIVO. Frayn KN *Eur J Clin Invest* 5: 331-7, 29 Jul 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); BURNS (metabolism, complications); HYPERGLYCEMIA (etiology); INSULIN RESISTANCE; INSULIN (secretion, blood); MALE; RATS.

Fredholm BB

INDOMETHACIN AND THE ROLE OF PROSTAGLANDINS IN ADIPOSE TISSUE. Fredholm BB, Hedqvist P *Biochem Pharmacol* 24: 61-6, 1 Jan 75 (Eng)
ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADIPOSE TISSUE (metabolism, cytology); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CARBON RADIOISOTOPES; CELL MEMBRANE (drug effects); DOGS; ELECTRIC STIMULATION; ERYTHROCYTES (cytology); FEEDBACK; FEMALE; HEMOLYSIS (drug effects); IN VITRO; INDOMETHACIN (pharmacodynamics); LACTATES (blood); LIPIDS (metabolism); MALE; MECLOFENAMIC ACID (pharmacodynamics); NOREPINEPHRINE (metabolism); PERFUSION; PROSTAGLANDINS (pharmacodynamics); PROTEIN KINASE (metabolism); PYRUVATES (blood); RATS; STIMULATION, CHEMICAL; TRITIUM.

Freedom RM

ACUTE RENAL FAILURE: AN IMPORTANT COMPLICATION OF CARDIAC SURGERY IN INFANTS. Chesney RW, Kaplan BS, Freedom RM, Haller JA, Drummond KN *J Pediatr* 87: 381-8, Sep 75 (Eng)

Frehland E

ION TRANSPORT THROUGH PORES: TRANSIENT PHENOMENA. Frehland E, Lauger P *J Theor Biol* 47: 189-207, Sep 74 (Eng)
BINDING SITES; BIOLOGICAL TRANSPORT, ACTIVE; ELECTRIC CONDUCTIVITY; IONS (metabolism); KINETICS; MATHEMATICS; MEMBRANE POTENTIALS; MODELS, BIOLOGICAL; OSMOLAR CONCENTRATION; TIME FACTORS.

Frenkel G

OXIDATIVE AND GLYCOLYTIC METABOLISM OF SEMEN COMPONENTS BY WASHED GUINEA PIG SPERMATOZOA. Frenkel G, Peterson RN, Freund M *Fertil Steril* 26: 144-7, Feb 75 (Eng)
ADENOSINE TRIPHOSPHATE (biosynthesis); ANIMAL EXPERIMENTS; FRUCTOSE (metabolism); GLUCOSE (metabolism); GLYCERIN (metabolism); GLYCEROPHOSPHATES (metabolism); GUINEA PIGS; HYDROXYBUTYRATES (metabolism); LACTATES (metabolism); MALE; PYRUVATES (metabolism); SEMEN (analysis); SORBITOL (metabolism); SPERMATOZOA (metabolism); SUCCINATES (metabolism).

Freund M

OXIDATIVE AND GLYCOLYTIC METABOLISM OF SEMEN COMPONENTS BY WASHED GUINEA PIG SPERMATOZOA. Frenkel G, Peterson RN, Freund M *Fertil Steril* 26: 144-7, Feb 75 (Eng)

Freyse EJ

[THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. 4. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE] Fischer U, Hommel H, Freyse EJ, Fiedler H *Endokrinologie* 65: 91-102, Feb 75 (Ger)

Friedman JS

SEXUALITY IN LATER LIFE. Yeaworth RC, Friedman JS *Nurs Clin North Am* 10: 565-86, Sep 75 (Eng)

Frier BM

LETTER: CEREBRAL OEDEMA IN DIABETIC KETOACIDOSIS. Frier BM *Br Med J* 3: 704, 20 Sep 75 (Eng)
ACIDOSIS, DIABETIC (complications); BICARBONATES (therapeutic use); BRAIN OEDEMA (etiology); HEART ARREST (chemically induced); HUMAN; KETOSIS, DIABETIC (complications).

Friesen HG

L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE. Pinter EJ, Töls G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)

Fritsch WP

[SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

Froesch ER

[TURNOVER AND UTILIZATION OF GLUCOSE AND GLUCOSE SUBSTITUTES IN HUMAN AND ANIMALS] Froesch ER *Nutr Metab* 18 suppl 1: 30-44, 1975 (Ger)
ADIPOSE TISSUE (metabolism); ANIMAL; BLOOD SUGAR (metabolism); BRAIN (metabolism); DIABETES MELLITUS (metabolism); DIAPHRAGM (metabolism); FRUCTOSE (metabolism); GLUCAGON (metabolism); GLUCOKINASE (metabolism); GLUCONEOGENESIS; GLUCOSE (metabolism); GLYCOGEN SYNTHETASE (metabolism); GLYCOLYSIS; HUMAN; INSULIN (metabolism); LIVER (metabolism); RATS; SORBITOL (metabolism); STRESS (metabolism, complications); XYLITOL (metabolism).

Frot-Coutaz J

[A RECEPTOR FOR UDP-GLUCOSE IN THE MICROSOMAL MEMBRANES OF RAT HEPATOCYTES] Frot-Coutaz J, Berthillier G, Got R *FEBS Lett* 52: 81-4, 15 Mar 75 (Fre)
ANIMAL EXPERIMENTS; BINDING SITES; CATIONS, DIVALENT; EDTA (pharmacodynamics); ENGLISH ABSTRACT; HYDROGEN-ION CONCENTRATION; IN VITRO; KINETICS; MEMBRANES (metabolism, drug effects); MICROSOMES, LIVER (metabolism, drug effects); PROTEIN BINDING; RATS; RECEPTORS, DRUG; TRITONS; URIDINE DIPHOSPHATE GLUCOSE (metabolism, pharmacodynamics); URIDINE DIPHOSPHATE SUGARS (metabolism).

Fry D

PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)

Fujimoto T

[SELECTION OF THE ANALYTICAL METHODS OF BLOOD GLUCOSE IN INFANTS (AUTHORS TRANSL.)] Mizuta W, Fukuda K, Kumada I, Fujimoto T *Jpn J Clin Pathol* 22: 778-80, Nov 74 (Jpn)

Fukuda K

[SELECTION OF THE ANALYTICAL METHODS OF BLOOD GLUCOSE IN INFANTS (AUTHORS TRANSL.)] Mizuta W, Fukuda K, Kumada I, Fujimoto T *Jpn J Clin Pathol* 22: 778-80, Nov 74 (Jpn)

Furka I

EXPERIMENTAL PANCREAS TRANSPLANTATION. Bornemisza G, Furka I, Gyurko G, Szentkereszty B, Miko I *Acta Chir Acad Sci Hung* 15: 343-52, 1974 (Eng)

GADA MT

Gada MT

DIABETES MELLITUS (A PSYCHOSOMATIC STUDY OF 147 CASES). Bagadia VN, Havaladar PP, Gada MT, Pradhan PV, Shah LP, Dhirawani MK *J Postgrad Med* 21: 17-29, Jan 75 (Eng)

Gaede P

HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)

Gaillard R

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

Gairdner DM

BODY FAT OF BRITISH AND DUTCH INFANTS. Widdowson EM, Dauncey MJ, Gairdner DM, Jonxis JH, Pelikan-Filipkova M *Br Med J* 1: 653-5, 22 Mar 75 (Eng)

Galdos L

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT; VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES; H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Esp* 138: 445-52, 15 Sep 75 (Spa)

Gallet M

[TREATMENT OF VASCULAR AND HEMORRHAGIC DIABETIC RETINOPATHIES BY MEANS OF ARGON LASERS] Gallet M *Maroc Med* 55: 300-1, Jun 75 (Fre)

ARGON; DIABETIC RETINOPATHY (surgery); HUMAN; LASER COAGULATION.

Galton VA

THE EFFECT OF FOOD DEPRIVATION OF THE PERIPHERAL METABOLISM OF THYROXINE IN RATS. Inghar DH, Galton VA *Endocrinology* 96: 1525-32, Jun 75 (Eng)

Gamache FW Jr

EFFECTS OF HYPOTENSION ON RHESUS MONKEYS. Gamache FW Jr, Myers RE *Arch Neurol* 32: 374-80, Jun 75 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); BRAIN (pathology); CARBON DIOXIDE (blood); CISTERNA MAGNA; DISEASE MODELS; ANIMAL; ELECTROCARDIOGRAPHY; ELECTROENCEPHALOGRAPHY; GLUCOSE (cerebrospinal fluid); HEART RATE; HYPOTENSION (physiopathology, pathology, chemically induced); HYPARSARRHYTHMIA (etiology); INTRACRANIAL PRESSURE; OXYGEN (blood); RESPIRATION; RHESUS MONKEYS; TIME FACTORS; TRIMETHAPHAN.

Gamble DR

REGISTER OF NEWLY DIAGNOSED DIABETIC CHILDREN. Bloom A, Hayes TM, Gamble DR *Br Med J* 3: 580-3, 6 Sep 75 (Eng)

EPIDEMIOLOGICAL AND VIROLOGICAL OBSERVATIONS ON JUVENILE DIABETES. Gamble DR *Postgrad Med J* 50 SUPPL 3: 538-43, Aug 74 (Eng)

Diabetes Literature—Author Index

ADOLESCENCE; AGE FACTORS; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (occurrence, etiology); FEMALE; GREAT BRITAIN; HUMAN; INFANT; MALE; SEASONS; VIRUS DISEASES (complications).

Ganda OP

ALANINE-INDUCED AMINO ACID INTERRELATIONSHIPS. Rossini AA, Aoki TT, Ganda OP, Soeldner JS, Cahill GF Jr *Metabolism* 24: 1185-92, Oct 75 (Eng)

Garcia MD

EFFECT OF THYROIDECTOMY ON THE IN VITRO UTILIZATION OF GLUCOSE BY HYPOPHYSIS AND HYPOTHALAMUS IN THE RAT. Castro M, Garcia MD, Herrera E *Steroids Lipids Res* 5: 276-81, 1974 (Eng)

Garg RK

EFFECTS OF L-THYROXINE ON THE INTERMEDIARY METABOLISM OF THE SPOTTED MUNIA, LONCHURA PUNCTULATA. Thapliyal JP, Garg RK, Murty GS, Gupta SC *Gen Comp Endocrinol* 25: 31-5, Jan 75 (Eng)

Garlaschi C

MUSCULAR EXERTION: A TEST OF PITUITARY FUNCTION IN CHILDREN. Garlaschi C, Del Guercio MJ, Di Natale B, Caccamo A, Chiumello G *Acta Paediatr Scand* 64: 752-4, Sep 75 (Eng)

ARGININE (diagnostic use, pharmacodynamics); BLOOD SUGAR (metabolism); CHILD; EXERTION; FEMALE; HUMAN; INSULIN (diagnostic use, pharmacodynamics); MALE; PITUITARY GLAND (physiology, drug effects); SOMATOTROPIN (blood).

Garneau P

CHARACTERISTICS OF ACTION OF PROSTAGLANDINS ON CYCLIC AMP ACCUMULATION IN RAT ANTERIOR PITUITARY GLAND. Borgeat P, Labrie F, Garneau P *Can J Biochem* 53: 455-60, Apr 75 (Eng)

Garrison MM

EFFECT OF PROLACTIN ON LIPOPROTEIN LIPASE IN CROP SAC AND ADIPOSE TISSUE OF PIGEONS. Garrison MM, Scow RO *Am J Physiol* 228: 1542-4, May 75 (Eng)

ADIPOSE TISSUE (enzymology, drug effects); ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CHROMATOGRAPHY, THIN LAYER; CHYLOMICRONS (metabolism); CROP, AVIAN (enzymology, drug effects); DRUG INTERACTIONS; ESOPHAGUS (enzymology); FEMALE; INJECTIONS, INTRAMUSCULAR; LIPIDS (metabolism); LIPOPROTEIN LIPASE (metabolism); PIGEONS; PROLACTIN (pharmacodynamics, administration & dosage); TRIGLYCERIDES (blood); TRITIUM; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Garver DL

GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, DeLeon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)

ADULT; BLOOD SUGAR (metabolism); COMPARATIVE STUDY; DEPRESSION (metabolism); DEPRESSION, CHEMICAL; FEMALE; GLYCOLS (urine); HUMAN; HYPOGLYCEMIA (metabolism); INSULIN (pharmacodynamics); MALE; METHOXYHYDROXYPHENYL GLYCOL (urine); MIDDLE AGE; PSYCHOSES, MANIC-DEPRESSIVE (metabolism); SOMATOTROPIN (blood).

Gattner HG

[B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN BY PEPsin, I-PREPARATION AND PROPERTIES OF BOVINE DES-PENTAPEPTIDE (B26-30) INSULIN (AUTHORS TRANSL)]

Gattner HG *Hoppe Seylers Z Physiol Chem* 356: 1397-404, Sep 75 (Ger)

BINDING SITES; CATTLE; CIRCULAR DICHROISM; CRYSTALLIZATION; ENGLISH ABSTRACT; INSULIN (analogs & derivatives); OLIGOPEPTIDES (isolation & purification); PEPsin; PHENYLALANINE; PHILIPPINES; PROTEIN BINDING; PROTEIN CONFORMATION; TYROSINE.

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEPsin, II. PREPARATION AND PROPERTIES OF CAMEL DES-PENTAPEPTIDE (B26-30)- AND DES-PHEBI-DEPENTAPEPTIDE (B26-30)- INSULIN. Danho WO, Gattner HG, Nissen D, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1405-12, Sep 75 (Eng)

A CONVENIENT ESTERIFICATION OF INSULIN WITH BORON TRIFLUORIDE/METHANOL. Gattner HG, Schmitt EW, Naithani VK *Hoppe Seylers Z Physiol Chem* 356: 1465-7, Sep 75 (Eng)

ALCOHOL, METHYL; BORON; CATTLE; CHEMISTRY; ESTERS; FLUORIDES; GLYCINE; INSULIN (analogs & derivatives, chemical synthesis); PROTEIN BINDING.

[SEMISYNTHETIC SHEEP DES-AL-GLYCINE INSULIN (AUTHORS TRANSL)] Berndt N, Gattner HG, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1469-72, Sep 75 (Ger)

Gaudemer Y

[RECENT DATA ON D(MINUS) BETA-HYDROXYBUTYRATE DEHYDROGENASE OF RAT LIVER MITOCHONDRIA] Latruffe N, Gaudemer Y *C R Soc Biol (Paris)* 168: 848-56, 1974 (Fre)

Gay G

[COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANS, GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQS DURING THE ORAL GLUCOSE TOLERANCE TEST] Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)

ADULT; AUTOANALYSIS (methods); BLOOD SUGAR (analysis); COMPARATIVE STUDY; DIAGNOSTIC ERRORS; ENGLISH ABSTRACT; FEMALE; GLUCOSE OXIDASE (diagnostic use); GLUCOSE TOLERANCE TEST (methods); HUMAN; INDICATORS AND REAGENTS; MALE; MIDDLE AGE; REAGENT STRIPS.

Gear AR

CONTROL OF PLATELET GLYCOGENOLYSIS; ACTIVATION OF PHOSPHORYLASE KINASE BY CALCIUM. Gear AR, Schneider W *Biochim Biophys Acta* 392: 111-20, 5 May 75 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE MONOPHOSPHATE (pharmacodynamics); BLOOD PLATELETS (enzymology, drug effects); CALCIUM (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); ENZYME ACTIVATION (drug effects); GLYCOGEN PHOSPHORYLASE (blood); GLYCOGEN SYNTHETASE (blood); GLYCOGEN (blood); HUMAN; KINETICS; PHOSPHORYLASE KINASE (blood); PLATELET AGGREGATION (drug effects); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Gefel A

MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN. Gefel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

BLOOD SUGAR; CASE REPORT; FEMALE; HUMAN; HYPOGLYCEMIA (drug therapy, etiology); INSULIN (blood); ISLET CELL TUMOR (drug therapy, complications, blood); LIVER NEOPLASMS (drug therapy); MIDDLE AGE; NEOPLASM METASTASIS.

Diabetes Literature—Author Index

Glushchenko NN

PANCREATIC NEOPLASMS (drug therapy, complications, blood); STREPTOZOTOCIN (therapeutic use).

Geisthovel W

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geisthovel W, Niedergerke U, Morgner KD, Wills B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

ADOLESCENCE; ADULT; AGE FACTORS; CIRCADIAN RHYTHM; DIABETES MELLITUS (physiopathology, blood, complications); DIABETIC ANGIOPATHIES (complications); ENGLISH ABSTRACT; GONADOTROPINS, CHORIONIC (pharmacodynamics); HUMAN; IMPOTENCE (etiology, blood); LEYDIG CELLS (drug effects); MALE; MIDDLE AGE; PROTEIN BINDING; TESTIS (blood supply); TESTOSTERONE (blood).

Gellissen K

[JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL.)] Azubuike JC, Gullotta F, Kallfelz HC, Gellissen K, Mende S, Exss R *Neuropadiatrie* 6: 292-306, Aug 75 (Ger)

Gemelli M

[BETA 2 SPECIFICITY OF SALBUTAMOL: METABOLIC EVALUATIONS] Gemelli M, Barberio G, De Luca F, Franchina A *Boll Soc Ital Biol Sper* 50: 663-6, 30 May 74 (Ita)

ALBUTEROL (pharmacodynamics, therapeutic use); ASTHMA (drug therapy); BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); CHILD, PRESCHOOL; FATTY ACIDS, NONESTERIFIED (blood); HUMAN; INFANT; ORGAN SPECIFICITY; RECEPTORS, ADRENERGIC.

Georgescu I

XEONON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciuca L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

Gerard A

[GLUCOSE CONTENT OF GALLBLADDER BILE AND CHOLEDOCHAL BILE] Paris J, Gerard A, Salembier Y, Samso G *Tijdschr Gastroenterol* 17: 40-50, 1974 (Fre)

Gergely P

[DIABETES MELLITUS AND ADDISONS DISEASE] Boda Z, Orosz L, Misz M, Szabo G, Gergely P, Kulcsar A *Orv Hetil* 116: 2249-50, 21 Sep 75 (Hun)

Gerhards E

GLIFUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

Gerich JE

ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)

ADULT; BLOOD SUGAR (analysis); DEPRESSION, CHEMICAL; DIABETES MELLITUS (metabolism, drug therapy);

DIETARY CARBOHYDRATES (administration & dosage); DIETARY FATS (administration & dosage); DIETARY PROTEINS (administration & dosage); DRUG SYNERGISM; FEMALE; GLUCAGON (secretion); HUMAN; INFORMED CONSENT; INSULIN (pharmacodynamics); MALE; MIDDLE AGE; SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics, therapeutic use); SOMATOTROPIN (blood).

Gerring EL

ANAESTHESIA FOR OPEN HEART SURGERY IN THE CALF. Gerring EL, Scarth SC *Br J Anaesth* 46: 455-60, Jun 74 (Eng)

ANESTHESIA ADJUVANTS; ANESTHESIA, GENERAL (methods); ANIMAL EXPERIMENTS; ANOXEMIA (prevention & control); BLOOD SUGAR; BLOOD; CARBON DIOXIDE (blood); CARDIOPULMONARY BYPASS; CATTLE; DEXTAN; FEMALE; GALLAMINE TRIETHIODIDE; HALOTHANE; HEART SURGERY; HYDROGEN-ION CONCENTRATION; METHOHEXITAL; NITROUS OXIDE; OXYGEN INHALATION THERAPY; OXYGEN (blood); PARTIAL PRESSURE; POTASSIUM (blood); SPIROMETRY; TRIMETHOPRIM.

Gershwin LJ

FAMILIAL CANINE DIABETES MELLITUS. Gershwin LJ *J Am Vet Med Assoc* 167: 479-80, 15 Sep 75 (Eng)

ANIMAL; BLOOD SUGAR (analysis); CASE REPORT; DIABETES MELLITUS (veterinary, familial & genetic); DOG DISEASES (familial & genetic); DOGS; FEMALE; MALE.

Gesser CA

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusions therapie* 1: 483-9, Aug 74 (Eng)

AMINO ACIDS (pharmacodynamics); CARBOHYDRATES (pharmacodynamics); COMPARATIVE STUDY; FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (blood); GLUCOSE (pharmacodynamics); HUMAN; INSULIN (blood); MALE; PHOSPHATES (blood); SOMATOTROPIN (blood); SORBITOL (pharmacodynamics); XYLITOL (pharmacodynamics).

Gigger M

STUDIES IN CALCIUM METABOLISM IN INFANTS WITH INTRAUTERINE GROWTH RETARDATION. Tsang RC, Gigger M, Oh W, Brown DR *J Pediatr* 86: 936-41, Jun 75 (Eng)

Gigou F

[ARTERITIS IN AGED PATIENTS] Cormier JM, Firouzabadie H, Gigou F *J Chir (Paris)* 109: 575-90, May-Jun 75 (Fre)

Gill TS

EFFECT OF ALLOXAN ADMINISTRATION UPON CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 88: 673-80, 1974 (Eng)

ALLOXAN (pharmacodynamics); ANIMAL; CELL MEMBRANE (ultrastructure); CELL NUCLEUS (ultrastructure); DOSE-RESPONSE RELATIONSHIP, DRUG; ENGLISH ABSTRACT; FEMALE; FISHES (anatomy & histology); ISLANDS OF LANGERHANS (drug effects, ultrastructure); MALE.

Gillet M

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etievant J, Boillot A, Benedini M,

Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

Gilman AG

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS. Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG *Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

Gilvarg C

PEPTIDE TRANSPORT. Barak Z, Gilvarg C *Biomembranes* 7: 167-218, 1975 (Eng) [157]

Ginsburg H

ZERO-TRANS AND INFINITE-CIS UPTAKE OF GALACTOSE IN HUMAN ERYTHROCYTES. Ginsburg H, Stein WD *Biochim Biophys Acta* 382: 353-68, 25 Mar 75 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE; ERYTHROCYTES (metabolism, drug effects); GALACTOSEMIA; HUMAN; KINETICS; MATHEMATICS; MODELS, BIOLOGICAL; PHLORETIN (pharmacodynamics); STEREOISOMERS; TIME FACTORS.

ZERO-TRANS AND EQUILIBRIUM-EXCHANGE EFFLUX AND INFINITE-TRANS UPTAKE OF GALACTOSE BY HUMAN ERYTHROCYTES. Ginsburg H, Ram D *Biochim Biophys Acta* 382: 369-76, 25 Mar 75 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE; CELL MEMBRANE (metabolism); ERYTHROCYTES (metabolism); GALACTOSEMIA; HUMAN; KINETICS; MATHEMATICS; STEREOISOMERS; TIME FACTORS.

Giraudet P

[FULLY AUTOMATED CONTINUOUS FLOW SYSTEM FOR DETERMINATION OF SERUM TRIGLYCERIDES (AUTHORS TRANSL.)] Coudon B, Bouige D, Giraudet P *Clin Chim Acta* 55: 129-38, 16 Sep 74 (Fre)

Glader BE

ROLE OF ELEVATED GLUCOSE CONCENTRATIONS IN THE HEMOLYSIS OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT ERYTHROCYTES (38474). Glader BE *Proc Soc Exp Biol Med* 148: 50-3, Jan 75 (Eng)

ASCORBIC ACID (pharmacodynamics); BLOOD SUGAR; CARBON DIOXIDE (metabolism); CYANIDES (pharmacodynamics); ERYTHROCYTES (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE DEFICIENCY (physiopathology); GLUTATHIONE (metabolism); HEMOGLOBINS (metabolism); HEMOLYSIS, HUMAN; IN VITRO; NADP; OXYGEN (blood).

Glass DB

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS. Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuchi FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

Glaviano VV

MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PANCREATICTOMIZED DOG. Coleman B, Kallal JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)

Glushchenko NN

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDATION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS] Kozlov IuP, Glushchenko NN, Obratsov VV, Orlov SN, Kagan VE *Biofizika* 18: 1031-6, Nov-Dec 73 (Rus)

GMEINER R

Gmeiner R

EFFECT OF PALMITATE ON HYPOXIC CARDIAC PERFORMANCE. Gmeiner R, Apstein CS, Brachfeld N *J Mol Cell Cardiol* 7: 227-35, Apr 75 (Eng)

ANIMAL EXPERIMENTS; ANOXIA (physiopathology); BLOOD PRESSURE (drug effects); CARDIAC OUTPUT (drug effects); CORONARY CIRCULATION (drug effects); GLUCOSE (metabolism); HEART RATE (drug effects); HEART (physiopathology, drug effects); MALE; MYOCARDIUM (metabolism); OXYGEN CONSUMPTION (drug effects); PALMITIC ACIDS (pharmacodynamics); RATS.

Godfrey DA

ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS. Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)

ACETYLCHOLINESTERASE (analysis); ACETYLTRANSFERASES (analysis); ANIMAL; BRAIN (enzymology); BUTYRYLCHOLINESTERASE (analysis); CHOLINE ACETYLTRANSFERASE (analysis); CHOLINESTERASES (analysis); DIABETES MELLITUS (enzymology, chemically induced); HISTOCYTOCHEMISTRY; ISLANDS OF LANGERHANS (enzymology, cytology); MALE; ORGAN SPECIFICITY; PANCREAS (enzymology); RATS; STREPTOZOTOCIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Goebel KM

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

Goetz FC

LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)

Golberg L

EXCRETION AND METABOLISM OF SACCCHARIN IN MAN. II. STUDIES WITH 14-C-LABELLED AND UNLABELLED SACCCHARIN. Byard JL, McClesney EW, Golberg L, Coulston F *Food Cosmet Toxicol* 12: 175-84, Apr 74 (Eng)

Goldberg ND

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS. Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuehl FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

ACETYLCHOLINE (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics, metabolism); ANIMAL EXPERIMENTS; ATROPINE (pharmacodynamics); CELL DIVISION (drug effects); CHOLINE (pharmacodynamics); DIETHYLSTILBESTROL (pharmacodynamics); DIETHYLADOL (pharmacodynamics); FEMALE; GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics, metabolism); GUINEA PIGS; HEART (physiology, drug effects); KINETICS; MODELS, BIOLOGICAL; RATS; REVIEW; UTERUS (metabolism, drug effects).

Goldblatt R

A YEARS EXPERIENCE IN A CLINIC FOR OBSE DIABETICS. Jackson WP, Movsowitz F, Goldblatt R *S Afr Med J* 49: 1598-600, 13 Sep 75 (Eng)

Diabetes Literature—Author Index

Gomez-Perez FJ

STRUCTURE AND BIOLOGICAL FUNCTIONS OF HUMAN IGD. V. INSULIN ANTIBODIES OF THE IGD CLASS IN SERA FROM SOME DIABETIC PATIENTS. Lertora JJ, Gomez-Perez FJ, Leslie GA *Int Arch Allergy Appl Immunol* 49: 597-606, 1975 (Eng)

Gonzalez Santos P

[INVOLVEMENT OF THE LUNG IN LIPID METABOLISM] Gonzalez Santos P, De La Higuera Rojas J *Rev Clin Esp* 136: 291-6, 28 Feb 75 (Spa) [34]

ANIMAL EXPERIMENTS; HUMAN; LIPID MOBILIZATION; LIPIDS (metabolism); LUNG (metabolism); PHOSPHOLIPIDS (metabolism, biosynthesis); RABBITS; REVIEW; SHEEP.

Gonzalez y Gonzalez L

[MANAGEMENT OF PREGNANT DIABETIC PATIENT WITH HIGH RISK PREGNANCY] Arcevalo Toledo N, Jimenez Fonseca J, Gonzalez y Gonzalez L, Chavez Hernandez F, Alvarez de la Cadena O, Noriega Guerra L *Ginecol Obstet Mex* 37: 311-21, Jun 75 (Spa)

Goodkin G

DIABETES. A TWENTY YEAR MORTALITY STUDY. Goodkin G *Trans Assoc Life Ins Med Dir Am* 58: 217-71, 1975 (Eng)

ADOLESCENCE; ADULT; DIABETES MELLITUS; HUMAN; INSURANCE, LIFE; MIDDLE AGE; MORTALITY; UNITED STATES.

Gordon A

EFFECT OF RIBOFLAVIN ON PLASMA GROWTH HORMONE AND SERUM IRON IN MAN. Schendel H, Gordon A *Am J Clin Nutr* 28: 569-70, Jun 75 (Eng)

Gordon DT

EFFECTS OF DIET AND TYPE IIA HYPERLIPOPROTEINEMIA UPON STRUCTURE OF TRIACYLGLYCEROLS AND PHOSPHATIDYL CHOLINES FROM HUMAN PLASMA LIPOPROTEINS. Gordon DT, Pitas RE, Jensen RG *Lipids* 10: 270-83, May 75 (Eng)

DIETARY FATS; FASTING; HUMAN; HYPERLIPOEMIA (blood, diet therapy); LECITHINS (blood); LIPOPROTEINS (blood); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MALE; PHOSPHATIDYL CHOLINE (blood); PHOSPHOLIPIDS (blood); TIME FACTORS; TRIGLYCERIDES (blood).

Goschke H

NITROGEN LOSS IN NORMAL AND OBSE SUBJECTS DURING TOTAL FAST. Goschke H, Stahl M, Tholen H *Klin Wochenschr* 53: 605-10, 1 Jul 75 (Eng)

AMINO ACIDS (metabolism); BLOOD SUGAR (metabolism); BODY HEIGHT; BODY WEIGHT; ENERGY METABOLISM; FASTING; FEMALE; GLUCAGON (blood); GLUCONEOGENESIS; HUMAN; MALE; NITROGEN (metabolism, urine); OBESITY (metabolism); PROTEINS (metabolism); SEX FACTORS; TIME FACTORS. [POSTOPERATIVE PARENTERAL NUTRITION] Goschke H, Leutenegger A, Gruber UF *Nutr Metab* 18 suppl 1: 197-208, 1975 (Ger)

ADULT; AMINO ACIDS (administration & dosage); BLOOD SUGAR; CRITICAL CARE; DIETARY FATS (administration & dosage); FASTING; GLUCOSE (administration & dosage); HUMAN; INSULIN (blood); MALE; MIDDLE AGE; NUTRITIONAL REQUIREMENTS; PARENTERAL FEEDING; POSTOPERATIVE CARE.

Got R

[A RECEPTOR FOR UDP-GLUCOSE IN THE MICROSOMAL MEMBRANES OF RAT HEPATOCYTES] Frot-Coutaz J, Berthillier G, Got R *FEBS Lett* 52: 81-4, 15 Mar 75 (Fre)

Goto Y

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

Gotz H

[LETTER: TERRAIN FACTORS AND DERMATOMYCOSES] Gotz H *Hautarzt* 26: 341, Jun 75 (Ger)

DERMATOMYCOSES (etiology); DIABETES MELLITUS (complications); HUMAN; HYPERLIPOEMIA (complications); LIPIDS (metabolism); METABOLIC DISEASES (complications).

Gough AL

AN ASSESSMENT OF THE REPRODUCIBILITY AND SAFETY OF 2-DEOXY-D-GLUCOSE AS A GASTRIC ACID STIMULANT IN DUODENAL ULCER PATIENTS. Gough AL, Keddie NC *Gut* 16: 171-5, Mar 75 (Eng)

ALANINE AMINOTRANSFERASE (blood); ASPARTATE AMINOTRANSFERASE (blood); BLOOD PRESSURE (drug effects); BLOOD SUGAR; BODY TEMPERATURE (drug effects); DEOXY SUGARS (pharmacodynamics); DEOXYGLUCOSE (pharmacodynamics, adverse effects); DUODENAL ULCER (physiopathology, diagnosis); ELECTROCARDIOGRAPHY; GASTRIC JUICE (secretion); POTASSIUM (blood); PULSE (drug effects); RESPIRATION (drug effects); SECRETORY RATE (drug effects); STIMULATION, CHEMICAL.

Grabner W

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

ADOLESCENCE; ADULT; ANIMAL; BLOOD SUGAR (metabolism); CIRCADIAN RHYTHM; DIABETES MELLITUS (physiopathology); ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; GLUCOSE (administration & dosage); HUMAN; INSULIN (blood, secretion); MALE; OBESITY (physiopathology); RATS; STATISTICS; TIME FACTORS; TOLBUTAMIDE (pharmacodynamics).

Graham LA

ABSENCE OF FACILITATED GLUCOSE DISPOSAL (STAUB-TRAUGOTT EFFECT) IN SUBJECTS WITH HYPOPIUITARISM. Abraira C, Graham LA, Lawrence AM *Metabolism* 24: 1145-55, Oct 75 (Eng)

Grams RR

INTERPRETING LABORATORY DATA. MONITORING THE GERIATRIC PATIENT. Bender KJ, Grams RR *J Am Pharm Assoc* 15: 21-3, Jan 75 (Eng)

Grandeau C

[INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS] Certhoux J, Grandeau C, Colombo J, Le Devehat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)

Grant DM

CARBON-13 MAGNETIC RESONANCE STUDY OF STRUCTURAL AND DYNAMICAL FEATURES IN CARBAMYLATED INSULINS. Led JJ, Grant DM, Horton WJ, Sundby F, Vihelmsen K *J Am Chem Soc* 97: 5997-6008, 15 Oct 75 (Eng)

Grant G

IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOTHYROTROPIC SUBSTANCES. Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)

Gray GM

CARBOHYDRATE DIGESTION AND ABSORPTION. ROLE OF THE SMALL INTESTINE. Gray GM *N Engl J Med* 292: 1225-30, 5 Jun 75 (Eng) [17]

AMYLASE (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CARBOHYDRATES (metabolism); DIGESTION; DISACCHARIDASES (metabolism, deficiency); EPITHELIAL CELLS (metabolism, enzymology); FRUCTOSE (metabolism); GALACTOSE (metabolism); GLUCOSE (metabolism); HUMAN; HYDROLYSIS; INFANT; INTESTINAL ABSORPTION; INTESTINE, SMALL (metabolism, cytology); KINETICS; MALABSORPTION SYNDROMES (metabolism); MONOSACCHARIDES (metabolism); OLIGOSACCHARIDES (metabolism); REVIEW; STARCH (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Green G

THE ACCURACY OF METHODS OF DIAGNOSIS IN PATIENTS WITH SUSPECTED RECURRENT ULCER AFTER VAGOTOMY. Steinberg DM, Green G, Toye DK, Alexander-Williams J *Aust NZ J Surg* 45: 252-6, Aug 75 (Eng)

Greengard O

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)

Greenhalgh RM

A COMPARISON OF FASTING SERUM LIPID CONCENTRATIONS AND LIPOPROTEIN PATTERNS IN PATIENTS WITH STENOSING AND DILATING FORMS OF PERIPHERAL ARTERIAL DISEASE. Greenhalgh RM, Taylor GW, Kaye J *J Cardiovasc Surg (Torino)* 16: 150-1, Mar-Apr 75 (Eng)

ANEURYSM (blood); ARTERIAL OCCLUSIVE DISEASES (blood); CHOLESTEROL (blood); COMPARATIVE STUDY; FASTING; HUMAN; LIPIDS (blood); LIPOPROTEINS (blood); TRIGLYCERIDES (blood); VASCULAR DISEASES (blood).

Gregolin C

EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

Gresham GA

EARLY EVENTS IN ATHEROGENESIS. Gresham GA *Lancet* i: 614-5, 15 Mar 75 (Eng)

ARTERIES (ultrastructure); ARTERIOSCLEROSIS (etiology); ATHEROSCLEROSIS (etiology, blood); CELL MEMBRANE PERMEABILITY; ENDOTHELIUM (pathology); HUMAN; MUSCLE, SMOOTH (pathology); PLATELET ADHESIVENESS; PLATELET AGGREGATION; PRIMATES; SPECIES SPECIFICITY; THROMBOSIS (etiology).

Griffith OH

BILAYER STRUCTURE IN PHOSPHOLIPID-CYTOCHROME C MODEL MEMBRANES. Shui-Pong-Van, Griffith OH *J Membr Biol* 20: 155-70, 1975 (Eng)

Griggs DM Jr

EVIDENCE FOR BENEFICIAL EFFECT OF INTRAVENOUS GLUCOSE ON THE HEMODYNAMIC RESPONSE TO ACUTE ASPHYXIA. Scholle SF, Griggs DM Jr *Proc Soc Exp Biol Med* 148: 743-7, Mar 75 (Eng)

Grodsky GM

INTERRELATIONSHIPS BETWEEN ALPHA AND BETA-ANOMERS OF GLUCOSE AFFECTING BOTH INSULIN AND GLUCAGON SECRETION IN THE PERFUSED RAT PANCREAS. II. Grodsky GM, Fanska R, Lundquist I *Endocrinology* 97: 573-80, Sep 75 (Eng)

ANIMAL; GLUCAGON (secretion); GLUCOSE (pharmacodynamics); INSULIN (secretion); PANCREAS (drug effects); PERFUSION; RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Grower MF

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficarra AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

Gruber UF

[POSTOPERATIVE PARENTERAL NUTRITION] Goschke H, Leutenegger A, Gruber UF *Nutr Metab* 18 suppl 1: 197-208, 1975 (Ger)

Gruenewald P

FETAL DEPRIVATION AND PLACENTAL PATHOLOGY: CONCEPTS AND RELATIONSHIPS. Gruenewald P *Perspect Pediatr Pathol* 2: 101-49, 1975 (Eng)

ABORTION (pathology); BIRTH WEIGHT; FEMALE; FETAL DISEASES (pathology); FETUS (physiology); GROWTH; HEMANGIOMA (pathology); HUMAN; INFARCTION (pathology); MATERNAL-FETAL EXCHANGE; PLACENTA DISORDERS (pathology, diagnosis); PLACENTA PRAEVIA (pathology); PLACENTA (pathology, ultrastructure); PLACENTAL INSUFFICIENCY (pathology); PLACENTATION; PREGNANCY; PREGNANCY, SECOND TRIMESTER; PREGNANCY, THIRD TRIMESTER.

Grundt SM

EFFECTS OF POLYUNSATURATED FATS ON LIPID METABOLISM IN PATIENTS WITH HYPERTRIGLYCERIDEMIA. Grundt SM *J Clin Invest* 55: 269-82, Feb 75 (Eng)

ADULT; BILE ACIDS AND SALTS (analysis); BILE (metabolism); CHOLESTEROL (metabolism, blood); CHOLIC ACIDS (metabolism); CLOFIBRATE (pharmacodynamics); DEOXYCHOLIC ACID (metabolism); DIET; DIETARY FATS; FATS, UNSATURATED (pharmacodynamics); FECES (analysis); GALLBLADDER (metabolism); HUMAN; HYPERLIPIDEMIA; LIPIDS (metabolism); MALE; MIDDLE AGE; SITOSTEROLS (metabolism); TRIGLYCERIDES (blood, metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Guada JA

EFFECT OF UNDERNUTRITION ON NITROGEN METABOLISM IN THE PREGNANT EWE. Guada JA, Robinson JJ *Proc Nutr Soc* 33: 84a-85a, Dec 74 (Eng)

ANIMAL EXPERIMENTS; ANIMAL NUTRITION; BLOOD SUGAR (metabolism); CREATININE (urine); FEMALE; NITROGEN (metabolism); NUTRITION DISORDERS; PREGNANCY; PREGNANCY COMPLICATIONS; PREGNANCY; SHEEP; UREA (metabolism).

Gubler JP

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS ISLET CELL HYPERPLASIA AND HYPERPLASIA OF THE PANCREAS.] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

Guillausseau PJ

[VARIOUS TYPES OF ANEMIAS IN THYROID INSUFFICIENCY] Guillausseau PJ, Lainee J, Aubert P *Nouv Presse Med* 4: 181-4, 18 Jan 75 (Fre)

ANEMIA (etiology, occurrence, diagnosis); ANEMIA, HYPOCHROMIC (etiology); ANEMIA, MEGALOBLASTIC (etiology); FOLIC ACID DEFICIENCY (complications); HUMAN; HYPOTHYROIDISM (complications); MALABSORPTION SYNDROMES (etiology); MYXEDEMA (etiology); PYRIDOXINE DEFICIENCY (complications); THYROID HORMONES (therapeutic use); THYROIDECTOMY (adverse effects); VITAMIN B 12 DEFICIENCY (complications).

Guillemin R

SOMATOSTATIN ANALOGS. RELATIVE IMPORTANCE OF THE DISULFIDE BRIDGE AND OF THE ALA-GLY SIDE CHAIN FOR BIOLOGICAL ACTIVITY. Rivier J, Brazeau P, Vale W, Guillemin R *J Med Chem* 18: 123-6, Feb 75 (Eng)

Gulkevich IuV

[DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich IuV, Minkovich BM *Arkiv Patol* 37: 3-13, 1975 (Rus)

ABNORMALITIES, MULTIPLE (etiology, pathology); ADRENAL GLANDS (pathology); ADULT; BELORUSSIA; BLOOD SUGAR (analysis); DIABETES MELLITUS (congenital, pathology); ENGLISH ABSTRACT; FEMALE; FETAL DISEASES (etiology, pathology); HUMAN; INFANT; INFANT, NEWBORN; ISLANDS OF LANGERHANS (pathology); LIVER (pathology); LUNG (pathology); MALE; OVARY (pathology); PREGNANCY IN DIABETES (complications); PREGNANCY TRIMESTER, FIRST; PREGNANCY TRIMESTER, SECOND; PREGNANCY TRIMESTER, THIRD; PREGNANCY.

Gullotta F

[JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL)] Azubuike JC, Gullotta F, Kallfelz HC, Gellissen K, Mende S, Exss R *Neuropediatrics* 6: 292-306, Aug 75 (Ger)

Gumaa KA

PHARMACOLOGICAL STUDIES OF SNAKE (BITIS ARIETANS) VENOM. Osman OH, Gumaa KA *Toxicol* 12: 569-75, Dec 74 (Eng)

Gundersen HJ

[EDITORIAL: ADVANCED DIABETES AND THE AUTONOMIC NERVOUS SYSTEM] Jucl Christensen N, Gundersen HJ *Ugeskr Laeger* 137: 2207-8, 15 Sep 75 (Dan)

Gunn JM

GLUCOCORTICIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhos O, Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); CYTOSOL (enzymology); DIBUTYRYL CYCLIC AMP (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; ENZYME INDUCTION (drug effects); GUANOSINE TRIPHOSPHATE; HYDROCORTISONE (pharmacodynamics); INSULIN (blood); KIDNEY (enzymology, drug effects); LIVER (enzymology, drug effects); MALE; PHOSPHOENOLPYRUVATE CARBOXYKINASE (metabolism, immunology); RATS; TRIAMCINOLONE ACETONIDE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Gupta PP

STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Gupta PP

EFFECT OF DIETARY PROTEIN AND CHOLESTEROL ON ATHEROSCLEROSIS IN SWINE. Gupta PP, Tandon HD, Ramalingaswami V *Exp Mol Pathol* 22: 305-16, Jun 75 (Eng)

ANIMAL EXPERIMENTS; AORTA (pathology, metabolism); ARTERIOSCLEROSIS (etiology); ATHEROSCLEROSIS (etiology, metabolism); BLOOD PROTEINS (analysis); BODY WEIGHT; CHOLESTEROL (blood); CHOLESTEROL, DIETARY; FATTY ACIDS (analysis); HEMATOCRIT; HEMOGLOBINS (analysis); LIPIDS (metabolism); MALE; PHOSPHOLIPIDS (blood); PROTEIN DEFICIENCY (complications); SWINE; TRIGLYCERIDES (blood).

Gupta SC

EFFECTS OF L-THYROXINE ON THE INTER-MEDIARY METABOLISM OF THE SPOTTED MUNIA, *LOCHURA PUNCTULATA*. Thapliyal JP, Garg RK, Murty GS, Gupta SC *Gen Comp Endocrinol* 25: 31-5, Jan 75 (Eng)

Guth PH

PREVENTION BY GLUCAGON OF EXPERIMENTAL STRESS INDUCED HEMORRHAGIC GASTRITIS. Guth PH, Meeroff JC, Paulsen G, Isenberg JJ *Gastroenterology* 69: 1048-50, Oct 75 (Eng)

ANIMAL, DISEASE MODELS, ANIMAL; GASTRIC JUICE (secretion); GASTRITIS (prevention & control); GLUCAGON (therapeutic use); HEMORRHAGE, GASTROINTESTINAL (prevention & control); MALE; RATS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Gutierrez AM

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT; VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES; H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Exp* 138: 445-52, 15 Sep 75 (Spa)

Gutsche H

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Lusert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

Gwinup G

CLINICAL TESTING OF THE HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL SYSTEM IN STATES OF HYPO- AND HYPERCORTISOLISM. Gwinup G, Johnson B *Metabolism* 24: 777-91, Jun 75 (Eng) [87]

ADRENAL CORTEX (physiopathology); ADRENAL GLANDS (physiopathology); CIRCADIAN RHYTHM; CORTICOTROPIN (pharmacodynamics); CUSHINGS SYNDROME (diagnosis); HYDROCORTISONE (metabolism, blood); HYPOTHALAMUS (physiopathology); MODELS, BIOLOGICAL; PITUITARY DISEASES (physiopathology); PITUITARY GLAND (physiopathology, metabolism, drug effects); REVIEW; STRESS (physiopathology); TIME FACTORS.

Gyurko G

EXPERIMENTAL PANCREAS TRANSPLANTATION. Bornemisza G, Furka I, Gyurko G, Szent-

Diabetes Literature—Author Index

kereszty B, Miko I *Acta Chir Acad Sci Hung* 15: 343-52, 1974 (Eng)

Habte D

CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Habte D, Persson B, Sterky G *Acta Paediatr Scand* 64: 267-72, Mar 75 (Eng)

BLOOD SUGAR (metabolism); BLOOD UREA NITROGEN; CHILD, PRESCHOOL; DIET; EVALUATION STUDIES; FOOD ANALYSIS; FOOD, ARTIFICIAL (analysis); FOOD, FORTIFIED (analysis); HEMOGLOBINS (metabolism); HUMAN; INFANT; KWASHIORKOR (diet therapy, blood); SERUM ALBUMIN (metabolism).

Haddox MK

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS. Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuehl FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

Hadlow WJ

DELAYED HYPERSENSITIVITY IN NORMAL AND ALEUTIAN DISEASE-AFFECTED MINK. Munoz J, Lodmell DL, Race RE, Jackson TA, Hadlow WJ *J Immunol* 114: 53-60, May 74 (Eng)

Haenel H

[HEALTHY NUTRITION] Lewerenz G, Haenel H *Z Gesamte Hyg* 20: 682-7, Oct 74 (Ger)

Haerter AF

PROGNOSIS AND QUALITY OF SURVIVAL IN A HOSPITALIZED STROKE POPULATION FROM THE SOUTH. Haerter AF, Woosley PC *Stroke* 6: 543-8, Sep-Oct 75 (Eng)

ADULT; AGE FACTORS; BRAIN (blood supply); CEREBRAL EMBOLISM AND THROMBOSIS (diagnosis); CEREBRAL HEMORRHAGE (diagnosis); CEREBRAL ISCHEMIA, TRANSIENT (diagnosis); CEREBROVASCULAR DISORDERS (diagnosis, mortality, complications); DIABETES MELLITUS (complications); FEMALE; HOSPITALIZATION; HUMAN; HYPERTENSION (complications); INFARCTION (diagnosis); MALE; MIDDLE AGE; NEGROID RACE; PROGNOSIS; SEX FACTORS; SUBARACHNOID HEMORRHAGE (diagnosis).

Haferkamp O

[GRANULOCYTE DYSFUNCTION. PART II. SECONDARY DEFECTS. (AUTHORS TRANSL)] Niehammer D, Wildfeuer A, Kleihauer E, Haferkamp O *Klin Wochenschr* 53: 739-46, 15 Aug 75 (Ger)

Hagen TC

THE EFFECT OF ACUTE HYPERCALCEMIA ON GROWTH HORMONE RELEASE IN MAN. Ajlouni K, Hagen TC *J Clin Endocrinol Metab* 40: 780-2, May 75 (Eng)

Hagg E

CUTANEOUS REACTIONS OF ALLOXAN DIABETIC RATS TO LOCAL THERMAL TRAUMA. Lithner F, Hagg E *Ups J Med Sci* 80: 99-102, 1975 (Eng)

Halber F

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halber F, Ceredi C *Chronobiologia* 1: Apr-Jun 74 (Eng)

Haller JA

ACUTE RENAL FAILURE: AN IMPORTANT COMPLICATION OF CARDIAC SURGERY IN INFANTS. Chesney RW, Kaplan BS, Freedom

RM, Haller JA, Drummond KN *J Pediatr* 87: 381-8, Sep 75 (Eng)

Haller WS

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)

Halmi NS

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

Halperin ML

THE EFFECT OF ADENOSINE TRIPHOSPHATE ON THE TRICARBOXYLATE TRANSPORTING SYSTEM OF RAT LIVER MITOCHONDRIA. Robinson BH, Cheema-Dhadli S, Halperin ML *J Biol Chem* 250: 3639-43, 25 May 75 (Eng)

Hamet P

EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN. Hamet P, Lowder SC, Hardman JG, Liddle GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADRENAL GLANDS (physiology); EPINEPHRINE (secretion); EXTRACELLULAR SPACE; HUMAN; HYPOGLYCEMIA (metabolism, chemically induced); INSULIN (diagnostic use); PROPRANOLOL (diagnostic use); RECEPTORS, ADRENERGIC (drug effects); STIMULATION, CHEMICAL.

Hamlin CR

APPARENT ACCELERATED AGING OF HUMAN COLLAGEN IN DIABETES MELLITUS. Hamlin CR, Kohn RR, Luschn JH *Diabetes* 24: 902-4, Oct 75 (Eng)

ADULT; AGING; CLOSTRIDIOPOLYMERASE A (pharmacodynamics); COLLAGEN (metabolism); COMPARATIVE STUDY; CONNECTIVE TISSUE (metabolism); DIABETES MELLITUS (physiopathology); DIABETES MELLITUS, JUVENILE (physiopathology); DIAPHRAGM (metabolism); FEMALE; HUMAN; MALE; MIDDLE AGE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Hanasono GK

POTENTIATION OF THE HEPATOTOXIC RESPONSES TO CHEMICALS IN ALLOXAN-DIABETIC RATS. Hanasono GK, Witschi H, Plaa GL *Proc Soc Exp Biol Med* 149: 903-7, Sep 75 (Eng)

ALPHA-NAPHTHYLSULFONIC ACID (pharmacodynamics); ALANINE AMINOTRANSFERASE (blood); ALLOXAN DIABETES (physiopathology); ANIMAL; BILIRUBIN (blood); BLOOD SUGAR; CHLOROFORM (toxicity); ETHANE (toxicity, analogs & derivatives); GALACTOSAMINE (pharmacodynamics); HEPATITIS, TOXIC (physiopathology); HYDROCARBONS, CHLORINATED (toxicity); INSULIN (pharmacodynamics); ISOCITRATE DEHYDROGENASE (blood); LIVER (physiopathology, analysis); MALE; RATS; TRICHLOROETHYLENE (toxicity); TRIGLYCERIDES (analysis).

Hanley T

A COLORIMETRIC METHOD FOR THE DETERMINATION OF DEOXYRIBONUCLEIC ACID IN ADIPOSE TISSUE. Curtis-Prior PB, Hanley T, Temple NJ *Analyst* 100: 106-10, Feb 75 (Eng)

Diabetes Literature—Author Index

Hazard J

Hanson RW

GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhos O, Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

Hanzlik J

GLYCOSAMINOGLYCANS AND HYDROXYPROLINE OF RABBIT LENS IN THE COURSE OF ARTIFICIAL ATHEROSCLEROSIS AND ALLOXAN DIABETES. Hanzlik J, Tomaszewski J *Folia Biol (Krakow)* 23: 293-8, 1975 (Eng)

ALLOXAN DIABETES (metabolism); ANIMAL; ARTERIOSCLEROSIS (metabolism); GLYCOSAMINOGLYCANS (metabolism); HYDROXYPROLINE (metabolism); LENS, CRYSTALLINE (metabolism); MUCOPOLYSACCHARIDES (metabolism); RABBITS.

[MORPHOLOGICAL AND HISTOCHEMICAL RESEARCH OF THE RABBIT AORTA WITH EXPERIMENTAL CHOLESTEROL ATHEROMASIA AND ALLOXAN DIABETES (AUTHORS TRANSL.)] Stepien A, Hanzlik J, Lopatynski J, Wolanski I *Ann Univ Mariae Curie Sklodowska [Med]* 29: 157-67, 1974 (Pol)

Hardman JG

EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN. Hamet P, Lowder SC, Hardman JG, Liddle GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

CYCLIC NUCLEOTIDE PHOSPHODIESTERASE ACTIVITIES OF PIG CORONARY ARTERIES. Wells JN, Baird CE, Wu YJ, Hardman JG *Biochim Biophys Acta* 384: 430-42, 19 Apr 75 (Eng)

Hardy JD

SUCCESSFUL ORTHOTOPIC ALLOTRANSPLANTATION OF HEARTS FROM DOGS IN IRREVERSIBLE SHOCK. Culpepper RD, Kondo Y, Hardy JD, Turner MD *Surgery* 77: 126-31, Jan 75 (Eng)

Hardy SM

BLOOD GLUCOSE, TOTAL SERUM CHOLESTEROL AND TOTAL BILIRUBIN LEVELS OF RATS FOLLOWING EXTRAINTESTINAL MIGRATION OF STRONGLY-LOIDES VENEZUELENSIS (BRUMPT, 1934). Petricello RP, Hardy SM *Comp Biochem Physiol [B]* 50: 537-40, 15 Apr 75 (Eng)

Hargis GK

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

Harker D

[DETERMINATION OF THE DISTRIBUTION OF GAMMA FUSIMOTOR AXONS IN THE CAT BY GLYCOGENIC DEPLETION] Barker D, Emonet-Denand F, Harker D, Jami L, Laporte Y *C R Acad Sci [D] (Paris)* 279: 1595-8, 4 Nov 74 (Fre)

Harper JF

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

Harrison LJ

SIMULATION OF DIFFERENTIAL EFFECTS ON RATES IN MEMBRANE TRANSPORT. Harrison LJ, Christensen HN *J Theor Biol* 49: 439-59, Feb 75 (Eng)

BIOLOGICAL TRANSPORT; COMPUTERS, ANALOG; FLUOROBENZENES; KINETICS; MEMBRANES; MODELS, BIOLOGICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Harthorn L

SUBACUTE ADMINISTRATION OF PENTERYTHRITOL TETRANICOTINATE (PERYCIT) TO MAN. Harthorn L, Svedmyr N *Atherosclerosis* 20: 65-8, Jul-Aug 74 (Eng)

ADMINISTRATION, ORAL; ADULT, BLOOD SUGAR (analysis); CHOLESTEROL (blood); CLINICAL RESEARCH; FATTY ACIDS, NONESTERIFIED (blood); HUMAN; LIPIDS (blood); MALE; NICOTINIC ACIDS (pharmacodynamics, administration & dosage, blood); PROPANEDIOLS (pharmacodynamics, administration & dosage, blood); PYRIDINES (blood); TIME FACTORS; TRIGLYCERIDES (blood).

Hartmann L

[REFERENCE METHOD FOR THE ESTIMATION OF GLYCAEMIA BY GAS-LIQUID CHROMATOGRAPHY (AUTHORS TRANSL.)] Cahour A, Lebbe J, Hartmann L *Clin Chim Acta* 55: 139-46, 16 Sep 74 (Fre)

Hartog M

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 71-5, May 74 (Eng)

Hase T

SIGNIFICANCE OF GASTRIC SECRETORY CHANGES IN THE PATHOGENESIS OF STRESS ULCERS. Hase T, Anderson PR, Mehlman B *Am J Dig Dis* 20: 443-9, May 75 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CORTICOSTERONE (blood); GASTRIC ACIDITY DETERMINATION; GASTRIC JUICE (secretion); GASTRIC MUCOSA (secretion, blood supply); LIGATION; MALE; MICROCIRCULATION; PYLORUS (physiology); RATS; SECRETORY RATE; STOMACH ULCER (etiology, physiopathology); STRESS (complications, physiopathology).

Haslbeck M

[SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehnert H, Dietze G, Haslbeck M *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)

Hata K

[SPECIFICITY AND MECHANISM OF THE GLUCOSE-O-TOLUIDINE REACTION FOR BLOOD GLUCOSE ASSAY (AUTHORS TRANSL.)] Sasaki T, Hata K *Jpn J Clin Pathol* 22: 781-2, Nov 74 (Jpn)

Hauger-Klevane JH

THE RENIN-ANGIOTENSIN SYSTEM IN DIABETES MELLITUS. Hauger-Klevane JH, Barontini de Moyano MB *Acta Physiol Lat Am* 24: 419-24, 1974 (Eng)

ANGIOTENSIN II (pharmacodynamics); ANGIOTENSIN (metabolism); BLOOD PRESSURE (drug effects); DIABETES MELLITUS (metabolism); EPINEPHRINE (blood); FUROSEMIDE (pharmacodynamics, metabolism); HUMAN; HYPERTENSION (metabolism); JUXTAGLOMERULAR APPARATUS (physiology); NOREPINEPHRINE (blood); RENIN (blood); STIMULATION, CHEMICAL.

Hausamen TU

[SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

Hausmann L

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL.)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

BLOOD SUGAR (analysis); CONTRACEPTIVES, ORAL (pharmacodynamics); CONTRACEPTIVES, ORAL, HORMONAL (pharmacodynamics); ENGLISH ABSTRACT; ETHINYL ESTRADIOL (pharmacodynamics); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (secretion); LYNESTRENOL (pharmacodynamics); MEGESTROL (pharmacodynamics); MESTRANOL (pharmacodynamics); NORGESTREL (pharmacodynamics); PROINSULIN (secretion); STIMULATION, CHEMICAL; TIME FACTORS.

Havaldar PP

DIABETES MELLITUS (A PSYCHOSOMATIC STUDY OF 147 CASES). Bagadia VN, Havaldar PP, Gada MT, Pradhan PV, Shah LP, Dhirawani MK *J Postgrad Med* 21: 17-29, Jan 75 (Eng)

Hawkins Carranza FG

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larrodera L, Ramirez A, Florez Tascón M, Schuller A *Rev Clin Exp* 138: 475-9, 15 Sep 75 (Spa)

ADULT; CASE REPORT; GLUCAGON (diagnostic use); GLUCOSE TOLERANCE TEST; HUMAN; ISLET CELL TUMOR (diagnosis); MALE.

Hayashi T

[EFFECTS OF NON-GLUCOSE SUGARS ON BLOOD GLUCOSE DETERMINATION] Hayashi T, Yamaguchi H *Jpn J Clin Pathol* 22: 756-60, Nov 74 (Jpn)

BLOOD SUGAR (analysis); HEXOSAMINES (analysis); HEXOSES (analysis); HUMAN; LACTOSE (analysis); METHODS, PENTOSE (analysis).

Hayashida T

HUMAN PITUITARY GROWTH HORMONE: HUMAN BIOCHEMICAL INVESTIGATIONS OF IMMUNOLOGICALLY ACTIVE FRAGMENTS. Clarke WC, Hayashida T, Li CH *Arch Biochem Biophys* 164: 571-4, Oct 74 (Eng)

Hayes TM

REGISTER OF NEWLY DIAGNOSED DIABETIC CHILDREN. Bloom A, Hayes TM, Gamble DR *Br Med J* 3: 580-3, 6 Sep 75 (Eng)

THE EFFECT OF AGE ON DEOXYRIBONUCLEIC ACID SYNTHESIS IN RAT ADIPOSE TISSUE. Lewis BM, Hayes TM *Clin Sci Mol Med* 48: 323-5, Apr 75 (Eng)

Hayles AB

EDITORIAL: HUMAN GROWTH HORMONE. Hayles AB *Can Med Assoc J* 112: 1282, 7 Jun 75 (Eng)

CHILD; GROWTH DISORDERS (drug therapy); HUMAN; SOMATOTROPIN (therapeutic use, deficiency).

Hazard J

[ACTION OF PHENYTOIN ON GLYCOREGULATION] Hazard J, Perlemuter L *Nouv Presse Med* 4: 2263-5, 27 Sep 75 (Fre)

ADOLESCENCE; ANIMAL; BLOOD PRESSURE (drug effects); CHILD; CHILD, PRESCHOOL; DEPRESSION, CHEMICAL; DIABETES

Diabetes Literature—Author Index

Hazzard WR

MELLITUS; DIAGNOSTIC ERRORS; DIPHENYLHYDANTOIN (adverse effects, metabolism, diagnostic use); DOGS; FEMALE; HUMAN; HYDROXYLATION; HYPERGLYCEMIA (chemically induced); HYPOGLYCEMIA (drug therapy); INFANT; INSULIN (secretion); ISLET CELL TUMOR (diagnosis); MALE; METABOLIC DETOXICATION, DRUG; MIDDLE AGE; PANCREATIC NEOPLASMS (diagnosis).

Hazzard WR

EVIDENCE FOR DIABETES MELLITUS AND GENETIC FORMS OF HYPERTRIGLYCEMIDEMIA AS INDEPENDENT ENTITIES. Brunzell JD, Hazzard WR, Motulsky AG, Bierman EL. *Metabolism* 24: 1115-21, Oct 75 (Eng)

Heading RC

PROCEEDINGS: EFFECT OF THE HISTAMINE H2 RECEPTOR ANTAGONIST, CIMETIDINE, ON INSULIN-INDUCED GASTRIC SECRETION IN MAN. Carter DC, Logan R, Forrest JA, Ansell I, Heading RC. *Br J Surg* 62: 664-5, Aug 75 (Eng)

Hedenstedt S

CLINICAL, SECRETORY AND MOTOR EFFECTS OF SELECTIVE PROXIMAL VAGOTOMY. A THREE-YEAR FOLLOW-UP. Moberg S, Hedenstedt S. *Acta Chir Scand* 141: 203-7, 1975 (Eng)

Heding LG

STUDIES ON POLYPEPTIDES, VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Heding LG, Larsen UD. *Hoppe Seyler's Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

Hedner U

PHENFORMIN AND ETHYLOESTRENOL IN RECURRENT VENOUS THROMBOSIS. Nilsson IM, Hedner U, Isacson S. *Acta Med Scand* 198: 107-13, Jul-Aug 75 (Eng)

Hedqvist P

INDOMETHACIN AND THE ROLE OF PROSTAGLANDINS IN ADIPOSE TISSUE. Fredholm BB, Hedqvist P. *Biochem Pharmacol* 24: 61-6, 1 Jan 75 (Eng)

Hegewald G

ADIPOSE TISSUE OF THE ABDOMINAL WALL IN MAN. HISTORY OF LITERATURE AND ELECTRON MICROSCOPIC STUDY CONCERNING THE MORPHOLOGICAL ADIPOSE TISSUE RESEARCH. II. OWN ELECTRON MICROSCOPIC STUDIES ON THE ABDOMINAL WALL ADIPOSE TISSUE IN MAN. Hegewald G, Barenwald G, Schwanengel H. *Anat Anz* 136: 462-93, 1974 (Ger)

ABDOMINAL WALL (anatomy & histology); ADIPOSE TISSUE (ultrastructure); ADOLESCENCE; ADULT; AGED; CAPILLARIES (ultrastructure); CELL NUCLEOLUS (ultrastructure); CELL NUCLEUS (ultrastructure); CELLULAR INCLUSIONS; CHILD; CHILD, PRESCHOOL; CHROMATIN; COLLAGEN; FEMALE; HUMAN; INFANT; LIPIDS; MALE; MICROSCOPY, ELECTRON; MIDDLE AGE; MITOCHONDRIA (ultrastructure); PINOCYTOSIS; RIBOSOMES (ultrastructure); VACUOLES.

Heikkilä R

PREVENTION OF 6-HYDROXYDOPAMINE NEUROTOXICITY. Cohen G, Allis B, Winston B, Mytilineou C, Heikkilä R. *Eur J Pharmacol* 33: 217-21, Aug 75 (Eng)

Heinrich R

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES; Otto M, Heinrich R, KUHN B, Jacobasch G. *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

Heller KB

TEMPERATURE DEPENDENCE OF THE ENERGY-LINKED MONOSACCHARIDE TRANSPORT ACROSS THE CELL MEMBRANE OF RHODOTORULA GRACILIS. Heller KB, Hofer M. *J Membr Biol* 21: 261-71, 1975 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE (drug effects); ENERGY METABOLISM; KINETICS; MONILIALES (metabolism); NYSTATIN (pharmacodynamics); RHODOTORULA (metabolism); TEMPERATURE; XYLOSE (metabolism).

Hellerstrom C

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellerstrom C, Johansson O, Luft R, Arimura A. *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

Helmi AM

LETTER: THE PANCREAS AND BLOOD SUGAR CHANGES IN MICE INFECTED WITH SCHISTOSOMA MANSONI. Awadalla HN, el-Fiky R, Helmi AM. *Trans R Soc Trop Med Hyg* 68: 410-11, 1974 (Eng)

Hembree WC

TRITIUM LABELING OF AMINO ACIDS IN POLYPEPTIDE HORMONES. Hembree WC, Wolf AP, Ehrenkauf RE, Lieberman S. *Methods Enzymol* 37 pt b: 313-21, 1975 (Eng)

AMINO ACIDS; CHROMATOGRAPHY, ION EXCHANGE; HORMONES; HYDROGEN-ION CONCENTRATION; ISOTOPE LABELING (methods); MICROWAVES; MOLECULAR WEIGHT; PEPTIDES (isolation & purification); TRITIUM.

Hems DA

GLYCOGEN SYNTHESIS IN THE PERFUSED LIVER OF STREPTOZOTOCIN-DIABETIC RATS. Whitton PD, Hems DA. *Biochem J* 150: 153-65, Aug 75 (Eng)

Hendler BH

COMMON MEDICAL EMERGENCIES: A DILEMMA IN DENTAL EDUCATION. Hendler BH, Rose LF. *J Am Dent Assoc* 91: 575-82, Sep 75 (Eng)

ANAPHYLAXIS; ANESTHETICS, LOCAL (adverse effects); ANGINA PECTORIS; ASTHMA; EDUCATION, DENTAL; EMERGENCIES; EPILEPSY; EQUIPMENT AND SUPPLIES; HEART ARREST; HOSPITAL DENTAL SERVICE; HUMAN; HYPERSENSITIVITY; HYPOGLYCEMIA; MEDICAL HISTORY TAKING; MYOCARDIAL INFARCT; PHYSICAL EXAMINATION; SYNCOPE.

Henry JC

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etievant J, Boillot A, Benedini M, Henry JC, Gillet M. *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

Heraud G

[LETTER: PRACTICAL IMPORTANCE OF SORBITOL IN DIABETOLOGY] Heraud G, Roux E,

Stach JL. *Nouv Presse Med* 4: 2113 (2), 13 Sep 75 (Fr)

BLOOD SUGAR; DIABETES MELLITUS (drug therapy, metabolism); HUMAN; NUTRITION (drug effects); SORBITOL (therapeutic use, metabolism).

Herrington AC

MEASUREMENT OF SOMATOMEDIN BY CARLITAGE IN VITRO. Daughaday WH, Phillips LS, Herrington AC. *Methods Enzymol* 37 pt b: 93-109, 1975 (Eng)

Herrera E

EFFECT OF THYROIDECTOMY ON THE IN VITRO UTILIZATION OF GLUCOSE BY HYPOPHYSIS AND HYPOTHALAMUS IN THE RAT. Castro M, Garcia MD, Herrera E. *Steroids Lipids Res* 5: 276-81, 1974 (Eng)

Hertig J

[MEDICATION OF PATIENTS WITH RENAL INSUFFICIENCY] Hertig J. *Rev Med Suisse Romande* 95: 207-20, Mar 75 (Fre)

ANTIBIOTICS (metabolism); ANTIHYPERTENSIVE AGENTS (metabolism); DIURETICS (metabolism); DRUG THERAPY; DRUGS (metabolism, administration & dosage); HUMAN; HYPOGLYCEMIC AGENTS (metabolism); KIDNEY FAILURE, ACUTE (metabolism); KIDNEY FAILURE, CHRONIC (metabolism); SULFONAMIDES (metabolism).

Hess B

GLUCOSE-6-PHOSPHATE 1-EPIMERASE FROM BAKERS YEAST. Wurster B, Hess B. *Methods Enzymol* 41: 488-93, 1975 (Eng)

Hessman Y

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE IN THERMAL TRAUMA. I. EFFECT OF EXOGENOUS INSULIN. Hessman Y, Thoren L. *Acta Chir Scand* 141: 385-92, 1975 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); BURNS (metabolism, drug therapy); DEPRESSION, CHEMICAL; GLUCOSE (administration & dosage); GLYCOGEN (metabolism); INSULIN (administration & dosage); LIVER GLYCOGEN (metabolism); MALE; MUSCLES (metabolism); RATS.

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE DURING CONTINUOUS INFUSION OF ADRENALIN. II. EFFECT OF EXOGENOUS INSULIN. Hessman Y. *Acta Chir Scand* 141: 393-8, 1975 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); BURNS (drug therapy); DEPRESSION, CHEMICAL; DRUG INTERACTIONS; EPINEPHRINE (administration & dosage); GLUCOSE (administration & dosage); GLYCOGEN (metabolism); INSULIN (administration & dosage); LIVER GLYCOGEN (metabolism); MALE; MUSCLES (metabolism); RATS; STIMULATION, CHEMICAL.

Hester RW

CLOSED HEAD INJURY COMPLICATED BY NONKETOTIC HYPERGLYCEMIC HYPERMOLAR COMA. Park BE, Hester RW, Netsky MG. *Surg Neurol* 4: 330-2, Sep 75 (Eng)

Hetzel KR

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Icc RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B. *J Nucl Med Biol* 7: 775-9, Aug 75 (Eng)

Heuckenkamp PU

QUANTITATIVE COMPARISON AND EVALUATION OF UTILIZATION OF PARENTERAL

Diabetes Literature—Author Index

Hollis TM

ADMINISTERED CARBOHYDRATES.
Heuckenkamp PU, Zollner N *Nutr Metab* 18
suppl 1: 209-26, 1975 (Eng)

ALCOHOL, ETHYL (administration & dosage,
blood, urine); **BLOOD SUGAR** (metabolism);
COMPARATIVE STUDY; **DIETARY**
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(metabolism); **HUMAN**; **INSULIN** (blood);
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XYLITOL (administration & dosage, blood,
urine).

Hewett C

ON THE CAUSES AND EFFECTS OF VARIATIONS IN THE BLOOD PROFILE OF SWEDISH DAIRY CATTLE. Hewett C *Acta Vet Scand [Suppl]* 1:152, 1974 (Eng)

AGE FACTORS; **ANIMAL EXPERIMENTS**;
BLOOD PROTEINS (metabolism); **BLOOD**
SUGAR (metabolism); **BLOOD UREA**
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LEUKOCYTE COUNT; **MAGNESIUM** (blood);
PHOSPHORUS (blood); **POTASSIUM** (blood);
PREGNANCY; **PREGNANCY**; **ANIMAL**;
PROTEIN BINDING; **SERUM ALBUMIN**;
BOVINE (metabolism); **SERUM GLOBULINS**
(metabolism); **SODIUM** (blood); **TIME**
FACTORS.

Heyn MP

THE SELF-ASSOCIATION OF ATP: THERMODYNAMICS AND GEOMETRY. Heyn MP,
Bretz R *Biophys Chem* 3: 35-45, Feb 75 (Eng)
ADENOSINE TRIPHOSPHATE; **BINDING**
SITES; **CALORIMETRY**; **CIRCULAR**
DICHROISM; **HYDROGEN-ION**
CONCENTRATION; **KINETICS**; **MAGNESIUM**;
MATHEMATICS; **MOLECULAR**
CONFORMATION; **MOLECULAR MODELS**;
SPECTROPHOTOMETRY; **ULTRAVIOLET**;
TEMPERATURE; **THERMODYNAMICS**.

Hildmann W

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

Hinek A

ULTRASTRUCTURE OF CELLS ISOLATED ENZYMATICALLY FROM THE AORTA OF RABBITS WITH EXPERIMENTAL ATHEROSCLEROSIS. Rosnowski A, Hinek A *Pol Med Sci Hist Bull* 15: 387-98, Sep-Oct 74 (Eng)

Hinkley C

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)

Hipkin LJ

TREATMENT OF ACROMEGALY WITH BROMOCRYPTINE. Summers VK, Hipkin LJ, Diver MH, Davis JC Jr *Clin Endocrinol Metab* 40: 904-6, May 75 (Eng)

Hirata AA

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-

CONTAINING MACROMOLECULES.
Springer GF, Mittal KK, Terasaki PI, Desai PR, McIntire FC, Hirata AA *Z Immunitaetsforsch* 145: 166-75, May 75 (Eng)

Ho K-J

CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)

Ho RJ

THE LAST CONVERSATION WITH DR. EARL W. SUTHERLAND, JR: THE FEEDBACK REGULATION OF CYCLIC NUCLEOTIDES. Ho RJ, Russell T, Asakawa T *Metabolism* 24: 257-64, Mar 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); **ADENYL CYCLASE** (metabolism); **ADIPOSE TISSUE** (metabolism, enzymology); **ANIMAL EXPERIMENTS**; **BIOCHEMISTRY** (history); **CAFFEINE** (pharmacodynamics); **CURRENT BIOG-OBIT**; **EPINEPHRINE** (pharmacodynamics); **FEEDBACK**; **HISTORICAL ARTICLE**; **HISTORY OF MEDICINE**, 20TH CENT.; **KINETICS**; **MAGNESIUM** (pharmacodynamics); **PHOSPHORYLASE KINASE** (metabolism); **PROTEIN KINASE** (metabolism); **RATS**; **UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**; **UNITED STATES**.

PREPARATION AND CHARACTERIZATION OF ADIPOCYTES. Ho RJ, Bomboy JD, Wasner HK, Sutherland EW *Methods Enzymol* 37 pt 6: 431-8, 1975 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); **ADENYL CYCLASE** (metabolism); **ADIPOSE TISSUE** (analysis); **ANIMAL EXPERIMENTS**; **BIOLOGICAL ASSAY**; **CATTLE**; **CROSS REACTIONS**; **DOGS**; **ENZYME ACTIVATION** (drug effects); **FATTY ACIDS**, NONESTERIFIED; **HAMSTERS**; **HORMONE ANTAGONISTS** (isolation & purification, pharmacodynamics); **HUMAN**; **KINETICS**; **METHODS**; **RABBITS**; **RATS**; **SERUM ALBUMIN**, **BOVINE**; **SPECIES SPECIFICITY**; **UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**; **UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

Hofeldt FD

REACTIVE HYPOGLYCEMIA. Hofeldt FD *Metabolism* 24: 1193-208, Oct 75 (Eng)
BLOOD SUGAR (metabolism); **FASTING**; **GLUCOSE** (metabolism); **HOMEOSTASIS**; **HUMAN**; **HYPOGLYCEMIA** (diagnosis, etiology, diet therapy); **INSULIN** (metabolism); **UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**; **UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.**

Hofer M

TEMPERATURE DEPENDENCE OF THE ENERGY-LINKED MONOSACCHARIDE TRANSPORT ACROSS THE CELL MEMBRANE OF RHODOTORULA GRACILIS. Heller KB, Hofer M *J Membr Biol* 21: 261-71, 1975 (Eng)

Hofmann T

ACVL INTERMEDIATES IN PENICILLIOPEPSIN-CATALYSED REACTIONS AND A DISCUSSION OF THE MECHANISM OF ACTION OF PEPISINS. Takahashi M, Hofmann T *Biochem J* 147: 549-63, Jun 75 (Eng)

Hofmeyr H

PROBLEMS RELATING TO THE DISCHARGE OF ELDERLY PATIENTS FROM HOSPITAL. Hofmeyr H, De V. Meiring P *S Afr Med J* 49: 1614-6, 13 Sep 75 (Eng)
AGE FACTORS; **AGED**; **CEREBROVASCULAR DISORDERS** (occurrence); **CHRONIC DISEASE**;

DIABETES MELLITUS (occurrence); **FEMALE**; **GENERAL PRACTICE**; **GERIATRIC NURSING**; **HOME NURSING**; **HOSPITAL OUTPATIENT CLINICS**; **HOSPITALIZATION**; **HOUSING**; **HUMAN**; **MALE**; **MIDDLE AGE**; **RECURRENT**; **RESPIRATORY TRACT DISEASES** (occurrence); **SOCIOECONOMIC FACTORS**; **SOUTH AFRICA**.

Hohneck A

[FREQUENCY AND DISTRIBUTION OF TYPES OF HYPERLIPOPROTEINEMIA WITH LIFE-SHORTENING RISK FACTORS AMONG AMBULANT PATIENTS (AUTHORS TRANSL.)] Mertz DP, Hohneck A *Med Klin* 70: 1209-13, 11 Jul 75 (Ger)

Hokfelt T

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl]* (Kbh) 80: 5-41, 1975 (Eng)

ANIMAL; **ANTIBODIES** (analysis); **ANTIBODY SPECIFICITY**; **AXONS** (metabolism); **FLUORESCENT ANTIBODY TECHNIC**; **GASTROINTESTINAL SYSTEM** (metabolism); **HYPOTHALAMUS** (metabolism, cytology); **IMMUNE SERUMS**; **ISLANDS OF LANGERHANS** (metabolism, cytology); **MALE**; **NERVE ENDINGS** (metabolism); **NEURONS** (metabolism); **RATS**; **SOMATOTROPIN RELEASE INHIBITING HORMONE** (metabolism, immunology); **STAINS AND STAINING**; **THYROID GLAND** (metabolism).

Holdrowicz M

A CASE OF ACUTE ADRENOCORTICAL FAILURE ON THE SECOND DAY FOLLOWING MITRAL COMMISSUROTOMY. Holdrowicz M, Szymanska M *Anaesth Resusc Intensiv Ther* 2: 373-7, Oct-Dec 74 (Eng)

ADRENAL GLAND HYPOFUNCTION (etiology, drug therapy); **ADULT**; **BICARBONATES** (blood); **BLOOD SUGAR** (analysis); **BRONCHOPNEUMONIA** (complications); **CARBON DIOXIDE** (blood); **CASE REPORT**; **CHLORIDES** (blood); **CREATININE** (blood); **DESOXYCORTICOSTERONE** (therapeutic use); **DIURESIS**; **FLUDROCORTISONE** (therapeutic use); **HEART RATE**; **HUMAN**; **HYDROCORTISONE** (therapeutic use); **HYDROGEN-ION CONCENTRATION**; **MALE**; **METARAMINOL** (therapeutic use); **MITRAL VALVE STENOSIS** (surgery); **POSTOPERATIVE COMPLICATIONS**; **POTASSIUM** (blood); **SODIUM** (blood); **UREA** (blood).

Holdsworth CD

LETTER: ELECTROGENIC ABSORPTION OF GLUCOSE. Read NW, Levin RJ, Holdsworth CD *Lancet* 1: 631, 15 Mar 75 (Eng)

Hollander VP

EFFECT OF INSULIN ON METABOLISM OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE BY PLASMA CELL TUMOR (MPC-11). Nascem SM, Hollander VP *Endocr Res Commun* 2: 251-9, 1975 (Eng)

Hollis TM

RABBIT AORTIC HISTAMINE SYNTHESIS FOLLOWING SHORT-TERM CHOLESTEROL FEEDING. Hollis TM, Sloss RJ *Atherosclerosis* 21: 125-34, Mar-Apr 75 (Eng)
ANIMAL EXPERIMENTS; **AORTA** (metabolism); **AORTA**, **ABDOMINAL** (enzymology, pathology); **AORTA**, **THORACIC** (enzymology, pathology); **ARTERIOSCLEROSIS** (etiology); **ATHEROSCLEROSIS** (etiology, blood, pathology); **CHOLESTEROL** (metabolism,

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blood); CHOLESTEROL, DIETARY (administration & dosage); DIET, ATHEROGENIC; HISTAMINE (biosynthesis); HISTIDINE DECARBOXYLASE (metabolism); MALE; RABBITS; TIME FACTORS.

Holloszy JO

EFFECTS OF THYROID HORMONE ADMINISTRATION ON SKELETAL MUSCLE MITOCHONDRIA. Winder WW, Baldwin KM, Terjung RL, Holloszy JO *Am J Physiol* 228: 1341-5, May 75 (Eng)

Holmes JH

EFFECT OF ORAL ANTIDIABETIC DRUGS ON LIPASE ACTIVITY IN VITRO. Holmes JH, Sapeika N, Zwarenstein H *Res Commun Chem Pathol Pharmacol* 11: 667-70, Aug 75 (Eng)
ANIMAL; BIGUANIDES (pharmacodynamics); HYPOLYCEMIC AGENTS (pharmacodynamics); IN VITRO; LIPASE (metabolism); MICE; PANCREAS (enzymology); STIMULATION, CHEMICAL; SULFONYLUREA COMPOUNDS (pharmacodynamics).

Holmes WL

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL *J Appl Physiol* 38: 236-40, Feb 75 (Eng)

Holmstrom B

CHARACTERIZATION OF HUMAN GROWTH HORMONE PREPARATIONS USED FOR THE TREATMENT OF PITUITARY DWARFISM: A COMPARISON OF CONCURRENTLY USED BATCHES. Holmstrom B, Fohlenhag K *J Clin Endocrinol Metab* 40: 856-62, May 75 (Eng)
ACETONE; COMPARATIVE STUDY; DWARFISM, PITUITARY (drug therapy); EVALUATION STUDIES; FREEZING; FSH (analysis); GEL FILTRATION; HUMAN; LH (analysis); METHODS; RADIOIMMUNOASSAY; SOMATOTROPIN (therapeutic use, analysis, isolation & purification); THYROTROPIN (analysis).

Holtkamp HC

THE DIFFERENCE BETWEEN THE GLUCOSE CONCENTRATIONS IN PLASMA AND WHOLE BLOOD. Holtkamp HC, Verhoef NJ, Leijne B *Clin Chim Acta* 59: 41-9, 22 Feb 75 (Eng)
BLOOD PROTEINS; BLOOD SUGAR (analysis); COMPARATIVE STUDY; ERYTHROCYTES (analysis); FEMALE; FERRICYANIDES; HEMATOCRIT; HUMAN; MALE; METHODS; PLASMA (analysis).

Hommel H

THE MECHANISM OF INSULIN SECRETION FOLLOWING ORAL GLUCOSE ADMINISTRATION. J. INHIBITION OF THE EARLY REFLECTORIC PHASE OF PLASMA INSULIN INCREASE THROUGH ATROPINE. Fischer U, Hommel H, Freyre EJ, Fiedler H *Endocrinology* 65: 91-102, Feb 75 (Ger)

Hood JM

VALUE OF PERIOPERATIVE ACID TESTS IN PREDICTING RECURRENT ULCERATION AFTER VAGOTOMY. Hood JM, Spencer EF, Macrae KD, Kennedy T *Br J Surg* 62: 665, Aug 75 (Eng)
GASTRIC JUICE (secretion); HUMAN; INSULIN (pharmacodynamics); PENTAGASTRIN (pharmacodynamics); PEPTIC ULCER (diagnosis); RECURRENCE; VAGOTOMY.

Hope-Gill H

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS

Diabetes Literature—Author Index

OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissebah AH, Clarke P, Vydelingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissebah AH, Hope-Gill H, Vydelingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

Hopker WW

[PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS] Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)

Horak E

EFFECTS OF NI(H) UPON PLASMA GLUCAGON AND GLUCOSE IN RATS. Horak E, Sunderman FW Jr *Toxicol Appl Pharmacol* 33: 388-91, Aug 75 (Eng)
ANIMAL; BLOOD SUGAR (analysis); FEMALE; GLUCAGON (blood); NICKEL (pharmacodynamics); RATS; STIMULATION, CHEMICAL; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Horigome K

DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhami Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

Hornby WE

THE PREPARATION OF SEVERAL NEW NYLON TUBE-GLUCOSE OXIDASE DERIVATIVES AND THEIR INCORPORATION INTO THE REAGENTLESS AUTOMATED ANALYSIS OF GLUCOSE. Campbell J, Hornby WE, Morris DL *Biochim Biophys Acta* 384: 307-16, 19 Apr 75 (Eng)

Hornstein OP

DERMATITIS HERPETIFORMIS AND SMALL INTESTINAL LESION—NO STRICT ASSOCIATION IN GERMAN PATIENTS. Rupp H, Weidner F, Domschke S, Domschke W, Classen M, Hornstein OP *Acta Hepatogastroenterol (Stuttg)* 22: 105-11, Apr 75 (Eng)

Horton WJ

CARBON-13 MAGNETIC RESONANCE STUDY OF STRUCTURAL AND DYNAMICAL FEATURES IN CARBAMYLATED INSULINS. Led JJ, Grant DM, Horton WJ, Sundby F, Vihelmsen K *J Am Chem Soc* 97: 5997-6008, 15 Oct 75 (Eng)

Horvath C

DYNAMIC ROLE OF BUFFERS: FACILITATED TRANSPORT OF PROTONS, WEAK ACIDS AND BASES. Engasser JM, Horvath C *Physiol Chem Phys* 6: 541-3, 1974 (Eng)

Horvath M

HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltész G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)

Horwitz DL

INSULIN AND THE KIDNEY. Rubenstein AH, Mako ME, Horwitz DL *Nephron* 15: 306-26, 1975 (Eng) [147]

Hover BA

IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC

ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hover BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)

Howard PL

THE INFLUENCE OF DIET ON RESPONSE TO HEMORRHAGIC SHOCK. Drucker WR, Howard PL, McCoy S *Ann Surg* 181: 698-704, May 75 (Eng)

Hoyle KM

RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyle KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)
ACROMEGALY (surgery, drug therapy); ADENOMA (surgery); ADULT; APOMORPHINE (diagnostic use); CASE REPORT; FEMALE; FSH (blood); GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (diagnostic use); LEVODOPA (diagnostic use); LH (blood); LH-FSH RELEASING HORMONE (diagnostic use); PITUITARY NEOPLASMS (surgery); PROLACTIN (blood); SOMATOTROPIN (blood); THYROTROPIN RELEASING HORMONE (pharmacodynamics).

Hritz A

REGIONAL VARIATION IN GLYCOLYTIC ENZYME ADAPTATION TO DIETARY SUGARS IN RAT SMALL INTESTINE. Espinoza J, Hritz A, Kaplan R, Clark SB, Rosensweig NS *Am J Clin Nutr* 28: 453-8, May 75 (Eng)

Hseine M

[RECENT ACQUISITIONS IN THE FIELD OF ANTI-DIABETIC TREATMENT] Hseine M, Baquet R *Maroc Med* 55: 289-92, Jun 75 (Fre)
DIABETES MELLITUS (therapy); HUMAN; ISLANDS OF LANGERHANS (transplantation); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); SOMATOTROPIN (antagonists & inhibitors); TRANSPLANTATION, HOMOLOGOUS.

Huet J

ATPASE INHIBITOR FROM YEAST MITOCHONDRIA. PURIFICATION AND PROPERTIES. Satre M, de Jerphanion MB, Huet J, Vignais PV *Biochim Biophys Acta* 387: 241-55, 15 May 75 (Eng)

Hughes ME

USE OF PHOSPHOLIPID EXCHANGE PROTEIN TO MEASURE INSIDE-OUTSIDE TRANSPORT IN PHOSPHATIDYLCHOLINE LIPOSOMES. Johnson LW, Hughes ME, Zilver-smitt DB *Biochim Biophys Acta* 375: 176-85, 28 Jan 75 (Eng)

Hui SW

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)
BINDING SITES; CALORIMETRY; KINETICS; LECITHINS; MEMBRANES, ARTIFICIAL; MICROSCOPY, ELECTRON; MOLECULAR CONFORMATION; PHOSPHATIDYLCHOLINE; PRESSURE; SURFACE PROPERTIES; TEMPERATURE; THERMODYNAMICS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; WATER.

Huitink MA

SERUM GLYCOPROTEIN LEVEL AS A POSSIBLE EARLY SCREENING FOR THE DEVELOPMENT OF DIABETIC

Diabetes Literature—Author Index

Istvan L

RETINOPATHY. Denswil EH, Huitink MA, Junge J *Ophthalmologica* 171: 316-7, 1975 (Eng)

Hultman E

FACTORS INFLUENCING CARBOHYDRATE METABOLISM IN MAN. Hultman E, Nilsson LH *Nutr Metab* 18 suppl 1: 45-64, 1975 (Eng)
BLOOD SUGAR (metabolism); BRAIN (metabolism); CARBOHYDRATES (metabolism); DIABETES MELLITUS (metabolism); DIET; DIETARY CARBOHYDRATES (metabolism); EXERTION; GLUCOKINASE (metabolism); GLUCOSE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); GLYCOGEN SYNTHETASE (metabolism); GLYCOGEN (biosynthesis); GLYCOLYSIS; HUMAN; KETONE BODIES (metabolism); LIVER GLYCOGEN (metabolism); LIVER (metabolism, enzymology); MUSCLES (metabolism).

Hunter JA

DUPUYTREN'S CONTRACTURE. I—CHEMICAL PATHOLOGY. Hunter JA, Ogdon C, Norris MG *Br J Plast Surg* 28: 10-8, Jan 75 (Eng)
ADULT; AGED; CARBOHYDRATES (analysis); CHROMATOGRAPHY; COLLAGEN (analysis); CONNECTIVE TISSUE (metabolism, analysis); DUPUYTREN'S CONTRACTURE (metabolism); FASCIA (analysis); HEXOSAMINES (analysis); HEXOSES (analysis); HISTOCYTOCHEMISTRY; HUMAN; MIDDLE AGE; MOLECULAR CONFORMATION; SOLUBILITY.

Hunter WM

PLASMA GROWTH HORMONE AND SLOW WAKE SLEEP INCREASE AFTER INTERRUPTION OF SHEEP. Beck U, Brezinova V, Hunter WM, Oswald J *J Clin Endocrinol Metab* 40: 812-5, May 75 (Eng)

Hurni L

[INDUCED HYPERGLYCEMIA AND THE CONCLUSIONS RESULTING FROM IT] Teuscher A, Hurni L *Rev Med Suisse Romande* 95: 315-24, May 75 (Fre)

Hurst CA

LETTER: THE STARZAK MEMBRANE CONDUCTANCE MODEL: A COMMENT. Bretag AH, Hurst CA, Kerr DJ *J Theor Biol* 48: 477-9, Dec 74 (Eng)

Hurter P

[AMBULATORY MANAGEMENT OF THE DIABETIC CHILD (AUTHORS TRANSL.)] Hurter P *Monatsschr Kinderheilkd* 123: 711-7, Oct 75 (Ger)

AMBULATORY CARE; CHILD; DIABETES MELLITUS, JUVENILE (therapy, diagnosis, diet therapy, drug therapy); ENGLISH ABSTRACT; HUMAN; HYPOGLYCEMIA (diagnosis, complications); INSULIN (therapeutic use).

Hynic S

THE ABSENCE OF STIMULATION OF LIPOLYSIS BY PAPAVERINE, A STRONG INHIBITOR OF PHOSPHODIESTERASE. Hynic S, Wenke M *Eur J Pharmacol* 30: 230-7, Feb 75 (Eng)
ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS; EPIDIDYMIS (metabolism); IN VITRO; LIPIDS (metabolism); MALE; PAPAVERINE (pharmacodynamics); PHOSPHODIESTERASES (antagonists & inhibitors); PHOSPHORUS RADIOISOTOPES; PROTEIN KINASE (metabolism); RATS; STIMULATION, CHEMICAL; THEOPHYLLINE (pharmacodynamics).

Ianushkane TS

[DIURNAL FLUCTUATIONS OF BLOOD LIPIDS AND SUGAR LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH ISCHEMIC HEART

DISEASES] Krivoruchenko IV, Ianushkane TS *Kardiologia* 15: 78-84, Feb 75 (Rus)

Iberall AS

LETTER TO THE EDITOR. Iberall AS *Microvasc Res* 9: 361, May 75 (Eng)
CELL MEMBRANE (metabolism); MODELS, BIOLOGICAL.

Ice RD

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Bcierwaltes WH, Ice RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

Iles RA

ACID-BASE AND METABOLIC DISTURBANCES IN FULMINANT HEPATIC FAILURE. Record CO, Iles RA, Cohen RD, Williams R *Gut* 16: 144-9, Feb 75 (Eng)

Ilic V

INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY-GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Ilic V *Biochem J* 150: 145-52, Aug 75 (Eng)

Illingworth DR

METABOLISM OF LIPOPROTEINS IN NONHUMAN PRIMATES. STUDIES ON THE ORIGIN OF LOW DENSITY LIPOPROTEIN APOPROTEIN IN THE PLASMA OF THE SQUIRREL MONKEY. Illingworth DR *Biochim Biophys Acta* 388: 38-51, 18 Apr 75 (Eng)
ANIMAL EXPERIMENTS; APOPROTEINS (blood); CHOLESTEROL (analysis); ELECTROPHORESIS, POLYACRYLAMIDE GEL; LEUCINE (metabolism); LIPOPROTEINS, HDL (blood, biosynthesis); LIPOPROTEINS, LDL (blood, biosynthesis); LIPOPROTEINS, VLDL (blood, biosynthesis); MONKEYS (blood); PHOSPHOLIPIDS (analysis); RABBITS (immunology); SQUIRREL MONKEYS (blood); TRIGLYCERIDES (analysis); TRITONS.

Illner P

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

Imura H

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

Inaba M

INHIBITORY EFFECT OF OUABAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)
ADRENAL CORTEX (secretion); ADRENAL GLANDS (secretion); ANIMAL EXPERIMENTS; CORTICOSTERONE (secretion); CORTICOTROPIN (pharmacodynamics); EPINEPHRINE (pharmacodynamics); HYPOPHYSECTOMY; MALE; OUABAIN (pharmacodynamics); PHENTOLAMINE (pharmacodynamics); PITUITARY GLAND (physiology); PROPANOLOL (pharmacodynamics); RATS; STIMULATION, CHEMICAL.

Ingbar DH

THE EFFECT OF FOOD DEPRIVATION OF THE PERIPHERAL METABOLISM OF THYROXINE IN RATS. Ingbar DH, Galton VA *Endocrinology* 96: 1525-32, Jun 75 (Eng)
ANIMAL EXPERIMENTS; BODY WEIGHT; FECES (analysis); MALE; RATS; STARVATION; THYROXINE (metabolism, blood, urine); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Irusta O

[ACTION OF GONADOTROPHINS AND INSULIN ON THE PRODUCTION OF TESTOSTERONE BY THE TESTIS OF DIABETIC RATS] Cattaneo de Peralta Ramos MO, Irusta O, Foglia VG *Rev Soc Argent Biol* 48: 49: 48-60, Apr 72-Nov 73 (Spa)

Irvine WJ

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 71-5, May 74 (Eng)

Isacson S

PHENFORMIN AND ETHYLOESTRENOL IN RECURRENT VENOUS THROMBOSIS. Nilsson IM, Hedner U, Isacson S *Acta Med Scand* 198: 107-13, Jul-Aug 75 (Eng)

Isenberg JI

PREVENTION BY GLUCAGON OF EXPERIMENTAL STRESS INDUCED HEMORRHAGIC GASTRITIS. Guth PH, Meeroof JC, Paulsen G, Isenberg JI *Gastroenterology* 69: 1048-50, Oct 75 (Eng)

Ishay J

GLYCEMIC EFFECT OF VENOM FROM VESPA ORIENTALIS VENOM SAC EXTRACT. Ishay J *Toxicon* 13: 221-6, Aug 75 (Eng)
ANIMAL; BLOOD SUGAR (metabolism); CATS; CHLORIDES (blood); FEMALE; GLUCOSE OXIDASE (blood); HEMOLYMPH (physiology); HYMENOPTERA (physiology); HYPERGLYCEMIA (chemically induced); LARVA; MALE; POTASSIUM (blood); SODIUM (blood); TIME FACTORS; TISSUE EXTRACTS (pharmacodynamics); UREA (blood); WASPS (physiology).

Ismail M

GLYCEMIC EFFECT OF VENOM FROM THE SCORPION BUTHUS MINAX (L. KOCH). el-Asmar M, Soliman SF, Ismail M, Osman OH *Toxicon* 12: 249-51, May 74 (Eng)

Issekutz B Jr

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYLPREDNISOLONE. Issekutz B Jr, Shaw WA *Diabetes* 24: 915-21, Oct 75 (Eng)
ALLOXAN DIABETES (metabolism, physiopathology); ANIMAL; BLOOD SUGAR (metabolism); DOGS; EXERTION; GLUCOSE (metabolism); INSULIN (secretion); ISLANDS OF LANGERHANS (secretion); KINETICS; LIVER (metabolism, drug effects); METHYLPREDNISOLONE (pharmacodynamics); MUSCLES (metabolism); STREPTOZOTOCIN.

Istvan L

[BIOCHEMICAL AND CLINICAL FINDINGS IN CONGENITAL ABNORMALITIES OF GALACTOSE METABOLISM (AUTHORS TRANSL.)] Sitzmann FC, Kaloud H, Istvan L *Wien Klin Wochenschr* 87: 12-8, 10 Jan 75 (Ger)

ITABASHI H

Itabashi H

DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A. *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

Iwamoto Y

[DIABETES MELLITUS AND HYPONATREMIA] Iwamoto Y. *Jpn J Clin Med* 33: 2075-80, Jun 75 (Jpn)

AGED; DIABETES MELLITUS (complications); DIABETIC COMA (complications); FEMALE; HUMAN; HYPONATREMIA (etiology); MIDDLE AGE.

Jackson TA

DELAYED HYPERSENSITIVITY IN NORMAL AND ALEUTIAN DISEASE-AFFECTED MINK. Munoz J, Loddell DL, Race RE, Jackson TA, Hadlow WJ Z. *Immunitaetsforsch* 147: 53-60, May 74 (Eng)

Jackson WP

A YEARS EXPERIENCE IN A CLINIC FOR OBSE DIABETICS. Jackson WP, Movsowitz F. *Goldblatt R S Afr Med J* 49: 1598-600, 13 Sep 75 (Eng)

ADULT; AGED; BODY WEIGHT; CORONARY DISEASE (complications); DIET, REDUCING; FEMALE; FENFLURAMINE (therapeutic use); HOSPITAL OUTPATIENT CLINICS; HUMAN; HYPERLIPIDEMIA (complications); HYPOGLYCEMIC AGENTS (administration & dosage); MALE; MIDDLE AGE; OBESITY IN DIABETES (therapy, complications, familial & genetic); SOUTH AFRICA.

Jacob HS

ABNORMAL RED CELL METABOLISM IN PATIENTS WITH CHRONIC UREMIA: NATURE OF THE DEFECT AND ITS PERSISTENCE DESPITE ADEQUATE HEMODIALYSIS. Yawata Y, Jacob HS. *Blood* 45: 231-9, Feb 75 (Eng)

Jacobasch G

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES. Otto M, Heinrich R, KUHN B, Jacobasch G. *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

Jacobs JM

MITOCHONDRIAL OXYGEN AFFINITY AS A FUNCTION OF REDOX AND PHOSPHATE POTENTIALS. Bienfait HF, Jacobs JM, Slater EC. *Biochim Biophys Acta* 376: 446-57, 20 Mar 75 (Eng)

Jacobs S

ESTIMATION OF HORMONE RECEPTOR AFFINITY BY COMPETITIVE DISPLACEMENT OF LABELED LIGAND: EFFECT OF CONCENTRATION OF RECEPTOR AND OF LABELED LIGAND. Jacobs S, Chang K-J, Cuatrecasas P. *Biochem Biophys Res Commun* 66: 687-92, 16 Sep 75 (Eng)

BINDING, COMPETITIVE; CELL MEMBRANE (metabolism); FEMALE; GROWTH SUBSTANCES (metabolism); HUMAN; INSULIN (metabolism); KINETICS; LIGANDS; MATHEMATICS; METHODS; PLACENTA (metabolism); PREGNANCY; PROTEIN BINDING; RECEPTORS, HORMONE; SKIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Jacobson ED

PHARMACOLOGIC EFFECTS OF GASTROINTESTINAL HORMONES ON INTESTINAL OXYGEN CONSUMPTION AND BLOOD FLOW. Bowen JC, Pawlik W, Fang WF, Jacobson ED. *Surgery* 78: 515-9, Oct 75 (Eng)

Diabetes Literature—Author Index

Jahnova E

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTEX AFTER ACUTE AND REPEATED STRESS. Kvetnansky R, Torda T, Jahnova E, Saleh N. *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

Jain K

THE EFFECTS OF D- AND L-GLYCERALDEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P. *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

ANIMAL; FEMALE; GLYCERALDEHYDE (pharmacodynamics); GLYCOLYSIS (drug effects); INSULIN (metabolism, secretion, biosynthesis); ISLANDS OF LANGERHANS (metabolism, drug effects, secretion); MALE; PROINSULIN (biosynthesis); RATS; STEREOISOMERS.

Jakob A

METABOLIC RESPONSES OF PERFUSED RAT LIVERS TO ALPHA- AND BETA-ADRENERGIC AGONISTS, GLUCAGON AND CYCLIC AMP. Jakob A, Diem S. *Biochim Biophys Acta* 404: 57-66, 8 Sep 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADRENERGIC BETA RECEPTOR AGONISTS (pharmacodynamics); ANIMAL; BENZOFURANS (pharmacodynamics); EPINEPHRINE (pharmacodynamics); ETHANOLAMINES (pharmacodynamics); GLUCAGON (pharmacodynamics); GLYCOGEN (metabolism); ISOPROTERENOL (pharmacodynamics); LIVER (metabolism, drug effects); MALE; OXYGEN CONSUMPTION (drug effects); PERFUSION; PHENTOLAMINE (pharmacodynamics); PHENYLEPHRINE (pharmacodynamics); POTASSIUM (metabolism); RATS; RECEPTORS, ADRENERGIC (drug effects).

Jami L

[DETERMINATION OF THE DISTRIBUTION OF GAMMA FUSIMOTOR AXONS IN THE CAT BY GLYCOGENIC DEPLETION] Barker D, Emonet-Denand F, Harker D, Jami L, Laporte Y. *C R Acad Sci [D] (Paris)* 279: 1595-8, 4 Nov 74 (Fre)

Jard S

THE SECOND MESSENGER. PART I. CYCLIC AMP. Jard S. *Med Times* 102: 58-60, 65-7, Oct 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology); CELLS (metabolism).

Jarhult J

OSMOLAR CONTROL OF THE CIRCULATION IN HEMORRHAGIC HYPOTENSION. AN EXPERIMENTAL STUDY IN THE CAT. Jarhult J. *Acta Physiol Scand [Suppl]* 1-84, 1975 (Eng)

ADRENAL GLANDS (metabolism); ANIMAL; BLOOD CIRCULATION; BLOOD PRESSURE; BLOOD SUGAR; BLOOD VOLUME; CAPILLARY PERMEABILITY; CAPILLARY RESISTANCE; CATECHOLAMINES (secretion); CATS; FEMALE; GLUCAGON (metabolism); GLUCOSE (metabolism); HEMORRHAGE (physiopathology); HYPERGLYCEMIA (etiology); HYPOTENSION (physiopathology); INTESINES (blood supply); LIVER (metabolism); MALE; MUSCLES (blood supply); OSMOLAR CONCENTRATION; PHILIPPINES; REGIONAL BLOOD FLOW; SKIN (blood supply); SYMPATHETIC NERVOUS SYSTEM (physiopathology); WATER-ELECTROLYTE BALANCE.

Jasani BM

TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO

HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY. Edmonds CJ, Jasani BM, Smith T. *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)

Jayanthi Bai N

EFFECT OF AFLATOXINS ON OXIDATIVE PHOSPHORYLATION BY RAT LIVER MITOCHONDRIA. Ramachandra Pai M, Jayanthi Bai N, Venkatasubramanian TA. *Chem Biol Interact* 10: 123-31, Feb 75 (Eng)

Jenkins JA

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL. *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

Jensen RG

EFFECTS OF DIET AND TYPE IIA HYPERLIPOPROTEINEMIA UPON STRUCTURE OF TRIACYLGLYCEROLS AND PHOSPHATIDYL CHOLINES FROM HUMAN PLASMA LIPOPROTEINS. Gordon DT, Pitas RE, Jensen RG. *Lipids* 10: 270-83, May 75 (Eng)

Jensh RP

PLACENTAL TRANSPORT OF CREATINE IN THE RAT. Koszalka TR, Jensh RP, Brent RL. *Proc Soc Exp Biol Med* 148: 864-9, Mar 75 (Eng)

Jetten AM

ENERGY REQUIREMENT FOR THE INITIATION OF COLICIN ACTION IN ESCHERICHIA COLI. Jetten AM, Jetten ME. *Biochim Biophys Acta* 387: 12-22, 14 Apr 75 (Eng)

AEROBIOISIS; AMINO ACIDS (metabolism); ANAEROBIOISIS; ARSENIC (pharmacodynamics); BIOLOGICAL TRANSPORT; CELL SURVIVAL (drug effects); COLICINS (pharmacodynamics); ELECTRON TRANSPORT; ENERGY TRANSFER; ESCHERICHIA COLI (metabolism, drug effects); GLUCOSE (metabolism); LACTATES (metabolism); MUTATION; TIME FACTORS; TRYPSIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Jetten ME

ENERGY REQUIREMENT FOR THE INITIATION OF COLICIN ACTION IN ESCHERICHIA COLI. Jetten AM, Jetten ME. *Biochim Biophys Acta* 387: 12-22, 14 Apr 75 (Eng)

Jimenez Fonseca J

[MANAGEMENT OF PREGNANT DIABETIC PATIENT WITH HIGH RISK PREGNANCY] Arevalo Toledo N, Jimenez Fonseca J, Gonzalez y Gonzalez L, Chavez Hernandez F, Alvarez de la Cadena O, Noriega Guerra L. *Ginecol Obstet Mex* 37: 311-21, Jun 75 (Spa)

Jimenez I

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS. *Eur J Biochem* 56: 375-83, 15 Aug 75 (Eng)

Johannes E

[COURSE OF CORONARY DISEASE. EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY] Kugler G, Johannes E, Rodiger W, Westermann KW Z. *Kardiol* 64: 245-54, Mar 75 (Ger)

Diabetes Literature—Author Index

Kallal JE

Johansson O

CELLULAR LOCALIZATION OF SOMATOSTATIN IN ENDOCRINE-LIKE CELLS AND NEURONS OF THE RAT WITH SPECIAL REFERENCES TO THE A1-CELLS OF THE PANCREATIC ISLETS AND TO THE HYPOTHALAMUS. Hokfelt T, Efendic S, Hellstrom C, Johansson O, Luft R, Arimura A *Acta Endocrinol [Suppl] (Kbh)* 80: 5-41, 1975 (Eng)

John TM

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, *ONCORHYNCHUS NERKA*. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol [A]* 47: 821-8, 1 Mar 74 (Eng)

Johnson B

CLINICAL TESTING OF THE HYPOTHALAMIC-PITUITARY-ADRENOCORTICAL SYSTEM IN STATES OF HYPO- AND HYPERCORTISOLISM. Gwinup G, Johnson B *Metabolism* 24: 777-91, Jun 75 (Eng) [87]

Johnson L

METABOLISM RATE, BIOCHEMICAL AND ENDOCRINE ALTERATIONS IN MALE WHIRLER MICE. Weltman AS, Sackler AM, Lewis AS, Johnson L *Physiol Behav* 5: 17-22, Jan 70 (Eng)

Johnson LW

CATALYTIC PROPERTIES OF PHOSPHOLIPID EXCHANGE PROTEIN FROM BOVINE HEART. Johnson LW, Zilversmit DB *Biochim Biophys Acta* 375: 165-75, 28 Jan 75 (Eng)

BINDING SITES; BIOLOGICAL TRANSPORT; ACTIVE; CATTLE; CHOLESTEROL (metabolism); CHROMATOGRAPHY, ION EXCHANGE; LIPOSOMES (metabolism); MEMBRANES (metabolism); MITOCHONDRIA, MUSCLE (metabolism); MUSCLE PROTEINS (metabolism, isolation & purification); MYOCARDIUM (metabolism); PHOSPHATIDYL CHOLINE (metabolism); PROTEIN BINDING; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

USE OF PHOSPHOLIPID EXCHANGE PROTEIN TO MEASURE INSIDE-OUTSIDE TRANSPORT IN PHOSPHATIDYLCHOLINE LIPOSOMES. Johnson LW, Hughes ME, Zilversmit DB *Biochim Biophys Acta* 375: 176-85, 28 Jan 75 (Eng)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; ACTIVE; CHROMATOGRAPHY, ION EXCHANGE; GEL FILTRATION; KINETICS; LIPOSOMES (metabolism); MITOCHONDRIA, LIVER (metabolism); PHOSPHATIDYL CHOLINE (metabolism); PHOSPHOLIPIDS (metabolism); PROTEINS (metabolism, isolation & purification); RATS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Johnson RM

EFFECTS OF VITAMIN E DEFICIENCY ON GSH-INDUCED SWELLING OF RAT LIVER MITOCHONDRIA. Alojzic SO, Ellis LC, Johnson RM, Street JC *Proc Soc Exp Biol Med* 148: 929-32, Mar 75 (Eng)

Johnson SM

THE EFFECT OF PRESSURE AND THE VOLUME OF ACTIVATION ON THE MONOVALENT CATION AND GLUCOSE PERMEABILITIES OF LIPOSOMES OF VARYING COMPOSITION. Johnson SM, Miller KW *Biochim Biophys Acta* 375: 286-91, 28 Jan 75 (Eng)

BINDING SITES; CHOLESTEROL; GLUCOSE; KINETICS; LIPOSOMES; MATHEMATICS; MOLECULAR CONFORMATION; MOLECULAR MODELS; PERMEABILITY;

PHOSPHOLIPIDS; POTASSIUM; PRESSURE; SODIUM; THERMODYNAMICS; VALINOMYCIN.

Johnston ID

PROCEEDINGS: THE EFFECT OF PORTAL AND SYSTEMIC VENOUS DRAINAGE OF THE PANCREAS ON GLUCOSE AND INSULIN METABOLISM. Collin J, Taylor RM, Johnston ID *Br J Surg* 62: 660, Aug 75 (Eng)

Jolicœur P

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicœur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

Jonxis JH

BODY FAT OF BRITISH AND DUTCH INFANTS. Widdowson EM, Dauncey MJ, Gairdner DM, Jonxis JH, Pelikan-Filipkova M *Br Med J* 1: 653-5, 22 Mar 75 (Eng)

Jordan J

THERMOCHEMICAL DETERMINATION OF GLUCOSE IN SERUM, PLASMA, AND WHOLE BLOOD WITHOUT PRIOR DEPROTEINIZATION. McGlothlin CD, Jordan J *Clin Chem* 21: 741-5, May 75 (Eng)

Jorfeldt L

EFFECTS OF ABDOMINAL SURGERY UNDER GENERAL ANAESTHESIA AND OF POSTOPERATIVE ANALGESIC THERAPY ON SPANIC EXCHANGE OF SOME BLOOD BORNE ENERGY METABOLITES. Wiklund L, Jorfeldt L *Acta Anaesthesiol Scand [Suppl]* 41-58, 1975 (Eng)

Josefsberg Z

PLASMA GLUCAGON RESPONSE TO ARGinine INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissmann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

ADOLESCENCE; ADULT; ARGinine (diagnostic use); BLOOD SUGAR (analysis); CHILD; DIABETES MELLITUS, JUVENILE (blood); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCAGON (secretion); HUMAN; INSULIN (blood); MALE; PREDIABETIC STATE (blood); SOMATOTROPIN (blood).

Juel Christensen N

[EDITORIAL: ADVANCED DIABETES AND THE AUTONOMIC NERVOUS SYSTEM] Juel Christensen N, Gundersen HJ *Ugeskr Laeger* 137: 2207-8, 15 Sep 75 (Dan)

AUTONOMIC NERVOUS SYSTEM (physiopathology); BLOOD PRESSURE; BLOOD SUGAR; DIABETES MELLITUS (physiopathology); HUMAN.

Juhn DD

DEGRADATION OF INSULIN IN SERUM BY INSULIN-SPECIFIC PROTEASE. Starr JJ, Juhn DD, Rubenstein AH *J Lab Clin Med* 86: 631-7, Oct 75 (Eng)

Juliano RL

AN EVALUATION OF TECHNIQUES FOR LABELLING THE SURFACE PROTEINS OF CULTURED MAMMALIAN CELLS. Juliano RL, Behar-Bannelier M *Biochim Biophys Acta* 375: 249-67, 28 Jan 75 (Eng)

ALCOHOL OXIDOREDUCTASES; BOROHYDRIDES (pharmacodynamics); CELL FRACTIONATION; CELL LINE (analysis); CELL MEMBRANE (analysis); CELL SURVIVAL (drug effects); COMPARATIVE STUDY; GALACTOSE; HAMSTERS; IODINE

RADIOISOTOPES; ISOTOPE LABELING (methods); OVARY; PEROXIDASES; PROTEIN BINDING; PROTEINS (analysis); PYRIDOXAL PHOSPHATE (pharmacodynamics); STILBENES; TRITIUM.

Junge J

SERUM GLYCOPROTEIN LEVEL AS A POSSIBLE EARLY SCREENING FOR THE DEVELOPMENT OF DIABETIC RETINOPATHY. Denswil EH, Huitink MA, Junge J *Ophthalmologica* 171: 316-7, 1975 (Eng)

Kaffarnik H

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

Kagan VE

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDATION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS] Kozlov IuP, Glushchenko NN, Obratsov VV, Orlov SN, Kagan VE *Biofizika* 18: 1031-6, Nov-Dec 73 (Rus)

Kahn CR

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

Kahn J

[SPONTANEOUS EXTERNAL SECRETION OF AN AUXILIARY DUODENOPANCREATIC HOMOGRAFT IN THE DOG] Camelot G, Kahn J, Elbaz J, Etievant J, Boillot A, Benedini M, Henry JC, Gillet M *C R Soc Biol (Paris)* 168: 866-70, 1974 (Fre)

Kakishita S

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

Kalant N

RELATION BETWEEN INSULIN AND GLUCOSE FLUX RATES IN THE DOG. Mitsuhashi O, Schucher R, Kalant N *J Lab Clin Med* 86: 683-9, Oct 75 (Eng)

Kalinsky HJ

METABOLISM OF OCTANOATE AND ITS EFFECT ON GLUCOSE AND PALMITATE UTILIZATION BY ISOLATED FAT CELLS. Maragoudakis ME, Kalinsky HJ, Lennane J *Proc Soc Exp Biol Med* 148: 606-10, Mar 75 (Eng)

Kalkhoff RK

EFFECTS OF ORAL CONTRACEPTIVE AGENTS ON CARBOHYDRATE METABOLISM. Kalkhoff RK *J Steroid Biochem* 6: 949-56, Jun 75 (Eng) [88]

CARBOHYDRATES (metabolism); CONTRACEPTIVES, ORAL (pharmacodynamics, adverse effects); DIABETES MELLITUS (chemically induced); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (pharmacodynamics, blood); PREGNANCY; REVIEW; TIME FACTORS.

Kallal JE

MYOCARDIAL PERFORMANCE DURING HEMORRHAGIC SHOCK IN THE PAN-

Diabetes Literature—Author Index

Kallfelz HC

CREATECTOMIZED DOG. Coleman B, Kallfelz JE, Feigen LP, Glaviano VV *Am J Physiol* 228: 1462-8, May 75 (Eng)

Kallfelz HC

JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A. COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL.) Azubuike JC, Gullotta F, Kallfelz HC, Gellissen K, Mende S, Exss R *Neuropädiatrie* 6: 292-306, Aug 75 (Ger)

Kaloud H

BIOCHEMICAL AND CLINICAL FINDINGS IN CONGENITAL ABNORMALITIES OF GALACTOSE METABOLISM (AUTHORS TRANSL.) Sitzmann FC, Kaloud H, Istvan L *Wien Klin Wochenschr* 87: 12-8, 10 Jan 75 (Ger)

Kalpiini-Mavrou A

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpiini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

Kalra VK

EFFECT OF PHOSPHOLIPASE A ON THE STRUCTURE AND FUNCTIONS OF MEMBRANE VESICLES FROM MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3690-8, 25 May 75 (Eng)

EFFECT OF PHOSPHOLIPASE A ON ACTIVE TRANSPORT OF AMINO ACIDS WITH MEMBRANE VESICLES OF MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3699-703, 25 May 75 (Eng)

Kamata K

INHIBITORY EFFECT OF OUABAIN ON EPINEPHRINE-INDUCED STIMULATION OF ADRENAL CORTICOSTERONE SECRETION IN RATS. Inaba M, Kamata K *Endocrinol Jpn* 22: 49-54, Feb 75 (Eng)

Kameda Y

RELATIONSHIP BETWEEN THE THYROID PARAFOLLICULAR CELLS AND PITUITARY GLAND. Kameda Y *Arch Histol Jpn* 37: 225-44, Nov 74 (Eng)

ACUTE DISEASE; ANIMAL EXPERIMENTS; CALCIUM CHLORIDE; CHRONIC DISEASE; CYTOPLASMIC GRANULES (ultrastructure); DOGS; ENDOPLASMIC RETICULUM (ultrastructure); FEMALE; HYPERCALCAEMIA (pathology); HYPERTROPHY; HYPOPHYSECTOMY; MALE; PITUITARY GLAND (ultrastructure, pathology); SOMATOTROPIN (secretion); THYROID GLAND (ultrastructure, pathology); THYROIDECTOMY.

Kameno E

RESULTS OF CONTROL SURVEY FOR BLOOD GLUCOSE DETERMINATION AND ITS EVALUATION (AUTHORS TRANSL.) Baba S, Kameno E, Mukai M, Tomita J, Tabata K *Jpn J Clin Pathol* 22: 751-5, Nov 74 (Jpn)

Kaneko T

DEMONSTRATION OF C-PEPTIDE IMMUNOREACTIVITY IN VARIOUS BODY FLUIDS AND CLINICAL EVALUATION OF THE DETERMINATION OF URINARY C-PEPTIDE IMMUNOREACTIVITY. Kaneko T, Munemura M, Oka H, Oda T, Suzuki S *Endocrinol Jpn* 22: 207-12, Jun 75 (Eng)

ADULT; ANTIGENS (analysis); ASCITIC FLUID (analysis); DIABETES MELLITUS (urine); HUMAN; MALE; MIDDLE AGE; PEPTIDES (analysis, blood, urine, cerebrospinal fluid); PLEURAL EFFUSION (analysis).

Kanto JH

SERUM GROWTH HORMONE, SERUM IMMUNOREACTIVE INSULIN AND BLOOD GLUCOSE RESPONSE TO ORAL AND INTRAVENOUS DIAZEPAM IN MAN. Syvalahti EK, Kanto JH *Int J Clin Pharmacol Biopharm* 12: 74-82, Jul 75 (Eng)

Kaplan BS

ACUTE RENAL FAILURE: AN IMPORTANT COMPLICATION OF CARDIAC SURGERY IN INFANTS. Chesney RW, Kaplan BS, Freedom RM, Haller JA, Drummond KN *J Pediatr* 87: 381-8, Sep 75 (Eng)

Kaplan R

REGIONAL VARIATION IN GLYCOLYTIC ENZYME ADAPTATION TO DIETARY SUGARS IN RAT SMALL INTESTINE. Espinoza J, Hritz A, Kaplan R, Clark SB, Rosensweig NS *Am J Clin Nutr* 28: 543-8, May 75 (Eng)

Kapoor M

SUBUNIT STRUCTURE AND SOME PROPERTIES OF PYRUVATE KINASE OF NEUROSPORA. Kapoor M *Can J Biochem* 53: 109-19, Feb 75 (Eng)

ALLOSTERIC REGULATION; CALCIUM (pharmacodynamics); ELECTROPHORESIS, POLYACRYLAMIDE GEL; FRUCTOSEPHOSPHATES (pharmacodynamics); GLUTARALDEHYDE; HEXOSEDIPHOSPHATES (pharmacodynamics); KINETICS, MACROMOLECULAR SYSTEMS; MAGNESIUM (pharmacodynamics); MOLECULAR WEIGHT; NEUROSPORA CRASSA (enzymology); NEUROSPORA (enzymology); PYRUVATE KINASE (metabolism, isolation & purification); ULTRACENTRIFUGATION; VALINE (pharmacodynamics).

Karabun PM

THE ACTIVITY OF KEY PENTOSEPHOSPHATE CYCLE ENZYMES IN THE BLOOD OF PATIENTS WITH DIABETES MELLITUS. Karabun PM *Fiziol Zh* 20: 394-8, May-Jun 74 (Ukr)

ADOLESCENCE; ADULT; AGED; DIABETES MELLITUS (enzymology); FEMALE; GLUCOSEPHOSPHATE DEHYDROGENASE (blood); HUMAN; MALE; MIDDLE AGE; TRANSEKOLASE (blood).

Karam JH

ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)

Katsunuma T

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

Kattermann R

LIPODYSTROPHY OF THE EXTREMITIES. A DOMINANTLY INHERITED SYNDROME ASSOCIATED WITH LIPATROPHIC DIABETES. Kobberling J, Willms B, Kattermann R, Creutzfeldt W *Humangenetik* 29: 111-20, 10 Sep 75 (Eng)

Kaye J

A COMPARISON OF FASTING SERUM LIPID CONCENTRATIONS AND LIPOPROTEIN PATTERNS IN PATIENTS WITH STENOSING AND DILATING FORMS OF PERIPHERAL ARTERIAL DISEASE. Greenhalgh RM, Taylor GW, Kaye J *J Cardiovasc Surg (Torino)* 16: 150-1, Mar-Apr 75 (Eng)

Keddie NC

AN ASSESSMENT OF THE REPRODUCIBILITY AND SAFETY OF 2-DEOXY-D-GLUCOSE AS A GASTRIC ACID STIMULANT IN DUODENAL ULCER PATIENTS. Gough AL, Keddie NC *Gut* 16: 171-5, Mar 75 (Eng)

Keirse MJ

METABOLISM OF PROSTAGLANDIN F₂ALPHA WITHIN THE HUMAN UTERUS IN EARLY PREGNANCY. Keirse MJ, Williamson JG, Turnbull AC *Br J Obstet Gynaecol* 82: 142-5, Feb 75 (Eng)

CHROMATOGRAPHY, THIN LAYER; DECIDUA (enzymology); FEMALE; FETAL MEMBRANES (enzymology); FETUS (metabolism); GESTATIONAL AGE; HUMAN; HYSTERECTOMY; IN VITRO; PLACENTA (enzymology); PREGNANCY; PROSTAGLANDINS F (metabolism, analysis); UMBILICAL CORD (metabolism); UTERUS (metabolism, enzymology).

Kellar KJ

EFFECT OF DIABETES ON GOLD THIOGLUCOSE LESIONS IN RATS. Kellar KJ, Sterling GH, O'Neill JJ *Proc West Pharmacol Soc* 18: 380-3, 1975 (Eng)

ALLOXAN DIABETES (physiopathology); ANIMAL; AUROTHIOGLUCOSE (pharmacodynamics); FEMALE; GOLD (pharmacodynamics); HYPOTHALAMUS (drug effects, pathology); INSULIN (pharmacodynamics); RATS.

Keller H

COMPARATIVE DETERMINATION OF BLOOD SUGAR USING DEXTROSTIX AND REFLECTORIC MEASUREMENT. Buhring M, Keller H *Med Welt* 26: 390-2, 28 Feb 75 (Ger)

Kemeny P

SIMULTANEOUS OCCURRENCE OF DIABETES, LIVER CIRRHOSIS, AND 47, XX,21 & 46, XX CHROMOSOMAL PATTERN. Barta L, Kemeny P, Regoly-Merei A *Arch Dis Child* 50: 573-4, Jul 75 (Eng)

Kennedy T

VALUE OF PERIOPERATIVE ACID TESTS IN PREDICTING RECURRENT ULCERATION AFTER VAGOTOMY. Hood JM, Spencer EF, Macrae KD, Kennedy T *Br J Surg* 62: 665, Aug 75 (Eng)

Keret R

PLASMA GLUCAGON RESPONSE TO ARGinine INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissmann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

Kerr DI

LETTER: THE STARZAK MEMBRANE CONDUCTANCE MODEL: A COMMENT. Bretag AH, Hurst CA, Kerr DI *J Theor Biol* 48: 477-9, Dec 74 (Eng)

Kerstein MD

MANAGEMENT OF AMPUTATION-STUMP BREAKDOWN. Kerstein MD *Am Surg* 41: 581-3, Sep 75 (Eng)

ADMINISTRATION, TOPICAL; AGED; AMPUTATION STUMPS; ARTERIOSCLEROSIS (complications); CASE REPORT; DEBRIDEMENT; DIABETES MELLITUS (complications); ESCHERICHIA COLI (isolation & purification); GANGRENE (surgery); HUMAN; LEG (blood supply); MALE; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; STAPHYLOCOCCUS (isolation & purification); STREPTOCOCCUS (isolation & purification); SUBTILISINS (therapeutic use); WOUND HEALING; WOUND INFECTION (drug therapy, microbiology).

Diabetes Literature—Author Index

Klein C

Kessler JI

UPTAKE AND COMPARTMENTAL DISTRIBUTION OF FATTY ACID BY RAT SMALL INTESTINE IN VIVO. Mishkin S, Yalovsky M, Kessler JI *Am J Physiol* 228: 1409-14, May 75 (Eng)

Ketskaroova S

[A STUDY OF RENAL FUNCTION USING RADIOISOTOPE METHODS IN PATIENTS WITH DIABETIC NEPHROPATHY] Astrug A, Sheiretova E, Ketskaroova S, Todorova L *Vutr Bules* 13: 86-92, 1974 (Bul)

Kettler D

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL)] Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ *Anaesthesist* 23: 101-4, Mar 74 (Ger)

Keul L

[CARBOHYDRATES FOR THE INFLUENCING OF EFFICIENCY IN SPORT MEDICINE] Keul L *Nutr Metab* 18 suppl 1: 157-70, 1975 (Ger)
BLOOD SUGAR (metabolism); CARBOHYDRATES (pharmacodynamics); ENERGY METABOLISM; EXERTION; FATTY ACIDS, NONESTERIFIED (blood); GLYCERIN (metabolism); GLUCOGEN (metabolism); HEART RATE; HUMAN; INSULIN (blood); LACTATES (blood); MUSCLES (metabolism); OLIGOSACCHARIDES (blood); PYRUVATES (blood); SOMATOTROPIN (blood); SPORT MEDICINE; SPORTS; TRIGLYCERIDES (blood).

Khanna SS

EFFECT OF ALLOXAN ADMINISTRATION UPON CHANNA PUNCTATUS (BLOCH). Gill TS, Khanna SS *Z Mikrosk Anat Forsch* 88: 673-80, 1974 (Eng)

Kicinska M

[DISORDERS OF CARBOHYDRATE METABOLISM IN PATIENTS WITH RENAL FAILURE] Rutkowski B, Kicinska M *Pol Tyg Lek* 30: 1587-90, 22 Sep 75 (Pol) [37]

Kihara A

[STUDIES ON RADIOIMMUNOASSAY OF PEP-TIDE HORMONE USING POLYETHYLENEGLYCOL. PART I. INSULIN (AUTHORS TRANSL)] Kihara A, Kikuchi A, Yaegashi T, Oara H *Jpn J Clin Pathol* 23: 449-52, Jun 75 (Jpn)

COMPARATIVE STUDY; HUMAN; INSULIN (blood); POLYETHYLENE GLYCOLS (diagnostic use); RADIOIMMUNOASSAY (methods).

Kikuchi A

[STUDIES ON RADIOIMMUNOASSAY OF PEP-TIDE HORMONE USING POLYETHYLENEGLYCOL. PART I. INSULIN (AUTHORS TRANSL)] Kihara A, Kikuchi A, Yaegashi T, Oara H *Jpn J Clin Pathol* 23: 449-52, Jun 75 (Jpn)

Kikuchi H

[PLASMA DILUENT USED IN EXTRACOR-POREAL CIRCULATION - WITH SPECIAL REFERENCE TO THE CHANGES IN GLUCOSE AND ELECTROLYTE LEVELS] Kikuchi H *J Jpn Assoc Thorac Surg* 22: 1112-6, Nov 74 (Jpn)

ADOLESCENCE; ADULT; BLOOD SUGAR (metabolism); ELECTROLYTES (blood); ENGLISH ABSTRACT; EXTRACORPOREAL CIRCULATION; FEMALE; HUMAN; MALE; MIDDLE AGE; PLASMA SUBSTITUTES.

Kim M

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-COA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

Kinalska I

CARBOHYDRATE METABOLISM IN PATIENTS WITH ALCOHOLIC LIVER CIRRHOSIS. Kinalska I, Raimier M *Mater Med Pol* 7: 200-3, Jul-Sep 75 (Eng)

ADULT; ALCOHOLISM (metabolism); CARBOHYDRATES (metabolism); FATTY LIVER (metabolism); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; LIVER CIRRHOSIS (metabolism); MALE; MIDDLE AGE.

King MG

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. Maher KR, Harper JF, Macleay A, King MG *J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

Kinne R

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-955, 1975 (Eng)
ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT (drug effects); CELL MEMBRANE (metabolism); CHICK EMBRYO; GLUCOSE (metabolism); KIDNEY CORTEX (metabolism); OSMOLAR CONCENTRATION; PHLORETIN (pharmacodynamics); PHLORHIZIN (pharmacodynamics); RATS; SODIUM (pharmacodynamics); STEREOISOMERS; TEMPERATURE.

Kinne RK

POLARITY OF THE RENAL PROXIMAL TUBULAR CELL: FUNCTION AND ENZYME PATTERN OF THE ISOLATED PLASMA MEMBRANES. Kinne RK *Med Clin North Am* 59: 615-27, May 75 (Eng) [43]

ADENYL CYCLASE (metabolism); AMINOPEPTIDASES (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; CELL MEMBRANE (physiology, metabolism); CYTOSOL (enzymology); DISACCHARIDES (metabolism); EPITHELIAL CELLS (metabolism, enzymology); ESTERASES (metabolism); GLUCOSE (metabolism); GLUTAMYL TRANSPEPTIDASE (metabolism); KIDNEY CORTEX (ultrastructure); KIDNEY TUBULES, PROXIMAL (cytology, ultrastructure); LACTATES (metabolism); MITOCHONDRIA (enzymology); PROTEIN KINASE (metabolism); REVIEW.

Kinne-Saffran E

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-955, 1975 (Eng)

Kirchgessner M

[SERUM AND PLASMA INSULIN LEVELS IN ZINC-DEFICIENT RATS FOLLOWING GLUCOSE STIMULATION] Roth HP, Kirchgessner M *Int J Vitam Nutr Res* 45: 201-8, 1975 (Ger)

Kissbah AH

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS

OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kissbah AH, Clarke P, Vydelingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

ADIPOSE TISSUE (metabolism); ANIMAL; BINDING SITES (drug effects); BIOLOGICAL TRANSPORT (drug effects); CALCIUM (metabolism); CELL MEMBRANE PERMEABILITY (drug effects); CELL MEMBRANE (metabolism); DINITROPHENOLS (pharmacodynamics); EPINEPHRINE (pharmacodynamics); INSULIN (pharmacodynamics); LIPIDS (metabolism); MALE; PROCAINE (pharmacodynamics); RATS; RECEPTORS, DRUG (drug effects).

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissbah AH, Hope-Gill H, Vydelingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

Kizer JS

THE REGIONAL DISTRIBUTION OF SOMATOSTATIN IN THE RAT BRAIN. Brownstein M, Arimura A, Sato H, Schally AV, Kizer JS *Endocrinology* 96: 1456-61, Jun 75 (Eng)

Kjellstrand CM

LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)

Klahn D

[INSULIN AND PROINSULIN SECRETION UNDER CONTRACEPTIVE STEROID ADMINISTRATION (AUTHORS TRANSL)] Hausmann L, Goebel KM, Klahn D, Kaffarnik H *Klin Wochenschr* 53: 853-60, 15 Sep 75 (Ger)

Klebanovskaia IA

[IMMUNOMORPHOLOGICAL AND HISTOCHEMICAL CHANGES IN THE LYMPHOID ORGANS IN EXPERIMENTAL OPHTHOCHIASIS. COMMUNICATION II. SUPERINVASION] Klebanovskaia IA *Med Parazitol (Mosk)* 44: 460-4, Jul-Aug 75 (Rus)
ANIMAL; CHRONIC DISEASE; ENGLISH ABSTRACT; EOSINOPHILS; GLUCAGON (metabolism); HAMSTERS; LYMPH NODES (immunology, pathology, metabolism); MACROPHAGES; OPHTHOCHIASIS (immunology, pathology, metabolism); PLASMA CELLS; RIBONUCLEOPROTEINS (metabolism).

Klebe JG

HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)

Kleihauer E

[GRANULOCYTE DYSFUNCTION. PART II. SECONDARY DEFECTS. (AUTHORS TRANSL)] Niehammer D, Wildfeuer A, Kleihauer E, Haferkamp O *Klin Wochenschr* 53: 739-46, 15 Aug 75 (Ger)

Klein C

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

KLEIN W

Klein W

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H. *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

[ORAL ADMINISTRATION OF AN ACIDIFEROUS DRUG AND ITS EFFECT ON CARBOHYDRATE METABOLISM OF MATURITY-ONSET-DIABETICS TREATED BY ORAL HYPOGLYCAEMIC AGENTS] Klein W. *Med Klin* 70: 1432-6, 5 Sep 75 (Ger)

ADJUVANTS, PHARMACEUTIC (therapeutic use); ADMINISTRATION, ORAL; AGE FACTORS; AGED; BIGUANIDES (therapeutic use); BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); DIABETES MELLITUS (metabolism); ENGLISH ABSTRACT; FEMALE; GASTRIC JUICE (secretion); GLUTAMATES (therapeutic use); HUMAN; INSULIN (secretion); MALE; MIDDLE AGE; PHILIPPINES.

Kleybrink H

[SERUM GASTRIN AND H₂SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Hausamen TU. *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

BLOOD SUGAR (metabolism); DUODENAL ULCER (metabolism); GASTRIC JUICE (secretion); GASTRIN (secretion); HYPOLYCEMIA (diagnosis, metabolism); INSULIN (pharmacodynamics); VAGUS NERVE (physiology).

Klotz HP

[LETTER: LYOPHILIZED PANCREATIC EXTRACT, A THERAPEUTIC ADJUVANT OF LIGHT DIABETES] Klotz HP. *Novus Presse Med* 4: 2333, 4 Oct 75 (Fre)

DIABETES MELLITUS (drug therapy, diet therapy); FREEZE DRYING; HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use); PANCREATIC EXTRACTS (therapeutic use).

Knight BL

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. I. GTP AS NUCLEOTIDE SUBSTRATE FOR HISTONE PHOSPHORYLATION. Skala JP, Knight BL. *Biochim Biophys Acta* 385: 114-23, 14 Mar 75 (Eng)

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. II. TWO SOLUBLE KINASE ACTIVITIES AND THEIR AFFINITIES FOR NUCLEOTIDE AND PROTEIN SUBSTRATES. Knight BL, Skala JP. *Biochim Biophys Acta* 385: 124-32, 14 Mar 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (metabolism); AGING; ANIMAL EXPERIMENTS; ANIMALS; NEWBORN; BROWN FAT (enzymology); GUANOSINE TRIPHOSPHATE (metabolism); HEAT; HISTONE KINASE (metabolism); KINETICS; MICROSOMES, LIVER (enzymology); PROTEIN KINASE (metabolism); PROTEINS (metabolism); RATS.

Knospe S

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasnowski I, Wulfert P, Michael R, Knospe S, Hildmann W. *Endokrinologie* 64: 2-12, 1974 (Ger)

Diabetes Literature—Author Index

Kobberling J

LIPODYSTROPHY OF THE EXTREMITIES. A DOMINANTLY INHERITED SYNDROME ASSOCIATED WITH LIPATROPHIC DIABETES. Kobberling J, Willms B, Kattermann R, Creutzfeldt W. *Humangenetik* 29: 111-20, 10 Sep 75 (Eng)

ADULT; AGED; BASAL METABOLISM; DIABETES MELLITUS (familial & genetic); EXTREMITIES; FEMALE; GENES; DOMINANT; HEMOGLOBIN C (biosynthesis); HEPATOMEGALY; HUMAN; INSULIN RESISTANCE; KETOSIS, DIABETIC; LIPODYSTROPHY (familial & genetic); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MIDDLE AGE; PEDIGREE.

Kohn RR

APPARENT ACCELERATED AGING OF HUMAN COLLAGEN IN DIABETES MELLITUS. Hamlin CR, Kohn RR, Luschn JH. *Diabetes* 24: 902-4, Oct 75 (Eng)

Koide T

EARLY CELLULAR RESPONSES TO DIVERSE GROWTH STIMULI INDEPENDENT OF PROTEIN AND RNA SYNTHESIS. Rubin H, Koide T. *J Cell Physiol* 86: 47-58, Aug 75 (Eng)

Kokatur MG

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. Kokatur MG, Malcom GT, Eggen DA, Strong JP. *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

ANIMAL EXPERIMENTS; AORTA (metabolism, pathology, analysis); AUTOPSY; CHOLESTEROL (metabolism, analysis); DIET, ATHEROGENIC; DIETARY FATS (administration & dosage); ESTERS; FATTY ACIDS (metabolism, analysis); FATTY STREAK, ARTERIAL (metabolism, diet therapy, pathology); MALE; MONKEYS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Kolena J

LIPOLYSIS AND CYCLIC-3, 5-AMP CONTENT IN RAT ADIPOSE TISSUE AT DIFFERENT AGE. Macho L, Kolena J. *Endocrinol Exp (Bratisl)* 9: 93-9, Jun 75 (Eng)

Kondo Y

SUCCESSFUL ORTHOTOPIC ALLOTRANSPLANTATION OF HEARTS FROM DOGS IN IRREVERSIBLE SHOCK. Culpepper RD, Kondo Y, Hardy JD, Turner MD. *Surgery* 77: 126-31, Jan 75 (Eng)

Kono T

INSULIN-SENSITIVE PHOSPHODIESTERASE. ITS LOCALIZATION, HORMONAL STIMULATION, AND OXIDATIVE STABILIZATION. Kono T, Robinson FW, Sarver JA. *J Biol Chem* 250: 7826-35, 10 Oct 75 (Eng)

ADENYL CYCLASE (metabolism); ADIPOSE TISSUE (enzymology, drug effects); AEROBOSIS; ANAEROBOSIS; ANIMAL; CAFFEINE (pharmacodynamics); CELL MEMBRANE (enzymology, drug effects); CHELATING AGENTS (pharmacodynamics); DITHIOHREITOL (pharmacodynamics); EDTA (pharmacodynamics); ENZYME ACTIVATION (drug effects); EGTA (pharmacodynamics); INSULIN (pharmacodynamics); MALE; NOREPINEPHRINE (pharmacodynamics); PHOSPHODIESTERASES (metabolism); RATS; SUBCELLULAR FRACTIONS (enzymology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; 3,5-CYCLIC AMP PHOSPHODIESTERASE (metabolism).

Korec R

[EXPERIMENTAL PREDIABETES AND LATENT DIABETES IN RATS FOR A 1-YEAR-

PERIOD AFTER PANCREATECTOMY AD B.CHOLEDUCHUM] Korec R. *Cesk Fysiol* 24: 331-5, 1975 (Slo)

ANIMAL; ANTIGENS; COMMON BILE DUCT (surgery); DIABETES MELLITUS (etiology); FEMALE; INSULIN (blood); MALE; PANCREATECTOMY (adverse effects); PREDIABETIC STATE (etiology); RATS.

Kosenkova ZE

[EFFECT OF PERIODIC LOWERING OF THE TEMPERATURE OF THE SURROUNDING MEDIUM ON THE EFFICIENCY OF ADAPTATION OF MUSCLES TO INCREASED ACTIVITY] Kosenkova ZE. *Fiziol Zh SSSR* 60: 1403-9, Sep 74 (Rus)

ACCLIMATIZATION; ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); COLD; CREATINE (analysis); CYTOCHROME OXIDASE (metabolism); ENGLISH ABSTRACT; EXERTION; GLYCOGEN (analysis); LACTATES (analysis, blood); LIVER GLYCOGEN (analysis); MUSCLES (physiology, analysis, enzymology); MYOCARDIUM (analysis); PERIODICITY; RATS.

Kosowicz J

[EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J. *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)

ADULT; DIABETES MELLITUS (blood); ENGLISH ABSTRACT; EXERTION; HUMAN; OBESITY (blood); SOMATOTROPIN (blood).

Koszalka TR

PLACENTAL TRANSPORT OF CREATINE IN THE RAT. Koszalka TR, Jensh RP, Brent RL. *Proc Soc Exp Biol Med* 148: 864-9, Mar 75 (Eng)

ALLANTOIS (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; CARBON RADIOISOTOPES; CHORION (metabolism); CHROMATOGRAPHY, PAPER; CREATINE (metabolism); FEMALE; GUANIDINES (analogs & derivatives); KINETICS; MALE; MATERNAL-FETAL EXCHANGE; PLACENTA (metabolism); PREGNANCY; RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VITELLINE MEMBRANE (metabolism).

Kotseronis J

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL)] Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ. *Anaesthesist* 23: 101-4, Mar 74 (Ger)

Kotze JP

THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotze JP, Steinberg D. *S Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); DIABETES MELLITUS (blood, chemically induced); DOGS; FATTY ACIDS, NONESTERIFIED (pharmacodynamics, administration & dosage, blood); HYDROXYBUTYRATES (blood); INFUSIONS, PARENTERAL; INSULIN (blood); KINETICS; STREPTOZOTOCIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Kozak W

[EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J. *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)

Kozlov IuP

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDATION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS] Kozlov IuP, Glushchenko NN, Obratsov VV, Orlov SN, Kagan VE *Biofizika* 18: 1031-6, Nov-Dec 73 (Rus)

ALCOHOL, METHYL, CHROMATOGRAPHY, THIN LAYER; EMULSIONS; ENGLISH ABSTRACT; FREE RADICALS; LINOLEIC ACIDS; LINOLENIC ACIDS; OLEIC ACIDS; OXIDATION-REDUCTION; PEROXIDES; POLAROGRAPHY; SOLUTIONS.

Kraas E

[GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION. MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS (AUTHORS TRANSL.) Bittner R, Beger HG, Kraas E, Roscher R *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)

Kragh PL

[DETERMINATION OF GLUCOSE IN URINE. COMPARISON BETWEEN TESTAPE, CLINITEST, FERMENTATION SACCHAROMETER AND AUTOANALYZER] Kragh PL, Madsen HG *Ugeskr Laeger* 137: 2308-12, 29 Sep 75 (Dan)

AUTOANALYSIS; COMPARATIVE STUDY; DIABETES MELLITUS (urine); ENGLISH ABSTRACT; EVALUATION STUDIES; GLYCOSURIA (diagnosis); HUMAN; INDICATORS AND REAGENTS; METHODS; REAGENT STRIPS.

Kramer GD

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficarra AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

Kraus H

[SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schroter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)

Krause U

[STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL.) Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)

ANIMAL; ENGLISH ABSTRACT; GLIBENCLAMIDE (pharmacodynamics); IN VITRO; INSULIN (secretion); ISLANDS OF LANGERHANS (drug effects, secretion); MALE; RATS; STIMULATION, CHEMICAL; SULFONYLUREA COMPOUNDS (pharmacodynamics); TIME FACTORS; TOLBUTAMIDE (pharmacodynamics).

Kremer GJ

PLASMA GLYCOSPHINGOLIPIDS IN DIABETICS AND NORMALS. Kremer GJ, Atzpodien W, Schnellbacher E *Klin Wochenschr* 53: 637-8, 1 Jul 75 (Eng)

BLOOD SUGAR (metabolism); CERAMIDES (blood); DIABETES MELLITUS (blood, complications); FEMALE; GLYCOLIPIDS (metabolism); GLYCOSPHINGOLIPIDS (blood); HEXOSES; HUMAN; HYPERLIPIDEMIA (blood, complications); LIPOPROTEINS, VLDL (blood); MALE; MIDDLE AGE; OBESITY IN DIABETES (blood); TRIGLYCERIDES (blood).

Krieger DT

FACTORS INFLUENCING THE CIRCADIAN PERIODICITY OF PLASMA CORTICOSTEROID LEVELS. Krieger DT *Chronobiologia* 1: 195-216, Apr-Jun 74 (Eng) [100]

ACETYLCHOLINE (analysis); ADRENAL CORTEX HORMONES (blood, physiology, pharmacodynamics); ANIMAL EXPERIMENTS; ANIMALS, NEWBORN; BLINDNESS (physiopathology); CENTRAL NERVOUS SYSTEM DISEASES (physiopathology); CENTRAL NERVOUS SYSTEM (physiology); CIRCADIAN RHYTHM (drug effects); CORTICOTROPIN (blood, physiology); CUSHINGS SYNDROME (physiopathology); DARKNESS; FEEDING BEHAVIOR, FEMALE; HUMAN; LIGHT; MENTAL DISORDERS (physiopathology); NEURAL TRANSMISSION; NEUROHUMORS (physiology); REVIEW; SEROTONIN (analysis); 11-HYDROXYCORTICOSTEROIDS (blood, physiology).

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)

Krimphove M

[THE CALORIGENIC EFFECT OF GLUCAGON] Krimphove M, Opitz K *Arch Int Pharmacodyn Ther* 216: 328-50, Aug 75 (Ger)

ANIMAL; BLOOD SUGAR (metabolism); CARBON DIOXIDE (metabolism); COTURNIX; DRUG INTERACTIONS; ENERGY METABOLISM (drug effects); ENGLISH ABSTRACT; FEMALE; GANGLIONIC BLOCKADERS (pharmacodynamics); GLUCAGON (pharmacodynamics); GUINEA PIGS; MALE; MICE; OXYGEN CONSUMPTION (drug effects); RATS; SPECIES SPECIFICITY; SYMPATHOLYTICS (pharmacodynamics); TIME FACTORS.

Kritsikis S

[ACHILLEAN REFLEXOGRAM : ITS MEASUREMENT AND ITS CORRELATIONS WITH VARIOUS CLINICAL AND BIOLOGICAL FACTORS IN 2 WORKING MALE POPULATIONS] Kritsikis S, Ducimetiere P, Richard JL *Sem Hop Paris* 51: 2109-17, 10-20 Jul 75 (Fre)

ACHILLES TENDON (physiology); ADULT; AGING; ALCOHOLISM (complications); ANGINA PECTORIS (complications); BLOOD CELL COUNT; BLOOD PRESSURE; BLOOD SUGAR; CHOLESTEROL (blood); DIABETES MELLITUS (complications); ENGLISH ABSTRACT; HEART RATE; HUMAN; INTERMITTENT CLAUDICATION (complications); MALE; MIDDLE AGE; OBESITY (complications); REFLEX, ABNORMAL (etiology); REFLEX, TENDON; SMOKING; TRIGLYCERIDES (blood); UREA (blood); URIC ACID (blood).

Krivoruchenko IV

[DIURNAL FLUCTUATIONS OF BLOOD LIPIDS AND SUGAR LEVEL IN HEALTHY PERSONS AND IN PATIENTS WITH ISCHEMIC HEART DISEASES] Krivoruchenko IV, Inashkenc TS *Kardiologia* 15: 78-84, Feb 75 (Rus)

ADULT; AGED; BLOOD SUGAR (analysis); CHOLESTEROL (blood); CIRCADIAN RHYTHM; CORONARY DISEASE (metabolism, blood); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; HYPERLIPIDEMIA (diagnosis, blood); LIPIDS (blood); MALE; MIDDLE AGE; PHOSPHOLIPIDS (blood); TRIGLYCERIDES (blood).

Kuehl FA Jr

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS. Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuehl FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

Kugler G

[COURSE OF CORONARY DISEASE. EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY] Kugler G, Johannes E, Rodiger W, Westermann KW *Z Kardiol* 64: 245-54, Mar 75 (Ger)

ADULT; AGED; ANGINA PECTORIS (diagnosis); BLOOD PRESSURE; BLOOD SUGAR (analysis); BODY WEIGHT; CHOLESTEROL (blood); CORONARY DISEASE (diagnosis, blood); ELECTROCARDIOGRAPHY; ENGLISH ABSTRACT; EXERTION; FEMALE; HEART ATRIUM; HUMAN; MALE; MIDDLE AGE; PACEMAKER, ARTIFICIAL; PROGNOSIS; TRIGLYCERIDES (blood); URIC ACID (blood).

Kuhl C

HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)

ADULT; BLOOD SUGAR (analysis); FEMALE; HUMAN; INSULIN (blood); PLACENTAL LACTOGEN (blood); PREGNANCY IN DIABETES (blood); PREGNANCY TRIMESTER, THIRD; PREGNANCY; TIME FACTORS.

Kuhl JF

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C *Chronobiologia* 1: Apr-Jun 74 (Eng)

KUHN B

A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES; Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)

Kukreja SC

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

Kulcsar A

[DIABETES MELLITUS AND ADDISON'S DISEASE] Boda Z, Orosz L, Misz M, Szabo G, Gergely P, Kulcsar A *Orv Hetil* 116: 2249-50, 21 Sep 75 (Hun)

Kumada I

[SELECTION OF THE ANALYTICAL METHODS OF BLOOD GLUCOSE IN INFANTS (AUTHORS TRANSL.) Mizuta W, Fukuda K, Kumada I, Fujimoto T *Jpn J Clin Pathol* 22: 778-80, Nov 74 (Jpn)

Kummel L

THE INFLUENCE OF RADIOPROTECTIVE SUBSTANCES ON THE PENTOSE CYCLE. Kummel L, Sonka J *Aggressologie* 15: 253-60, 1974 (Eng)

COMPARATIVE STUDY; CYSTEINE (pharmacodynamics); ERYTHROCYTES (drug effects, metabolism); GLUCOSE (metabolism); GLUTATHIONE (pharmacodynamics); GUANIDINES (pharmacodynamics); HUMAN; MALE; PENTOSEPHOSPHATES (metabolism); RADIATION-PROTECTIVE AGENTS (pharmacodynamics); STIMULATION, CHEMICAL.

Kurahashi M

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED

Kuroki T

RATS. Kuroshima A, Doi K, Kurahashi M, Ono T *Jpn J Physiol* 25: 275-85, 1975 (Eng)

Kuroki T

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3',5' MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

AMINOISOBUTYRIC ACID (metabolism); BIOLOGICAL TRANSPORT; CELL LINE (metabolism); CELLS, CULTURED; CERVIX NEOPLASMS; CYTOPLASM (metabolism); DEPRESSION, CHEMICAL; DIBUTYRYL CYCLIC AMP (pharmacodynamics); EMBRYO (cytology); FEMALE; GLUCOSE (metabolism); HAMSTERS; HEXOKINASE (metabolism); HUMAN; LEUKEMIA; LUNG; MAMMARY NEOPLASMS, EXPERIMENTAL; MICE; MICE, INBRED BALB C; OVARY; RATS; REVIEW; STIMULATION, CHEMICAL; THEOPHYLLINE (pharmacodynamics); TRITIUM.

Kuroshima A

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED RATS. Kuroshima A, Doi K, Kurahashi M, Ono T *Jpn J Physiol* 25: 275-85, 1975 (Eng)

ACCLIMATIZATION; ANIMAL; BLOOD SUGAR (metabolism); COLD; DOSE-RESPONSE RELATIONSHIP, DRUG; FASTING; FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (pharmacodynamics); HEAT; LACTATES (blood); MALE; RATS.

Kusiak JW

MUTAROTASE (ALDOSE 1-EPIMERASE) FROM KIDNEY CORTEX. Bailey JF, Fishman PH, Kusiak JW, Mulhern S, Pentchev PG *Methods Enzymol* 41: 471-84, 1975 (Eng)

Kutas F

MUCOID ENTERITIS IN THE RABBIT ASSOCIATED WITH E. COLI CHANGES IN THE CARBOHYDRATE METABOLISM. Vetesi F, Kutas F *Acta Vet Acad Sci Hung* 24: 303-11, 1974 (Eng)

Kvetnansky R

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTEX AFTER ACUTE AND REPEATED STRESS. Kvetnansky R, Torda T, Jahnova E, Saleh N *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

ADRENAL CORTEX (metabolism); ADRENAL GLANDS (metabolism); ADRENAL MEDULLA (metabolism); ANIMAL EXPERIMENTS; CATECHOL METHYLTRANSFERASE (metabolism); IMMOBILIZATION; MALE; MONOAMINE OXIDASE (metabolism); PROTEINS (metabolism); RATS; STRESS, PSYCHOLOGICAL.

Labella F

ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY. Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)

ANIMAL EXPERIMENTS; CATTLE; CHOLINE (pharmacodynamics); CORTICOTROPIN (secretion); KINETICS; LH (secretion); MANNITOL (pharmacodynamics); OSMOLAR CONCENTRATION; PITUITARY GLAND (secretion); PITUITARY GLAND, ANTERIOR (secretion, drug effects); PITUITARY HORMONES, ANTERIOR (secretion); PROLACTIN (secretion); SODIUM CHLORIDE (pharmacodynamics); SOMATOTROPIN (secretion); SUCROSE (pharmacodynamics); THYROTROPIN (secretion); TIME FACTORS.

Diabetes Literature—Author Index

Labrie F

CHARACTERISTICS OF ACTION OF PROSTAGLANDINS ON CYCLIC AMP ACCUMULATION IN RAT ANTERIOR PITUITARY GLAND. Borgeat P, Labrie F, Garneau P *Can J Biochem* 53: 455-60, Apr 75 (Eng)

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicœur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

ADENOSINE CYCLIC 3',5' MONOPHOSPHATE (physiology, metabolism, pharmacodynamics); ADENYL CYCLASE (metabolism); ANIMAL EXPERIMENTS; DIBUTYRYL CYCLIC AMP (pharmacodynamics); HORMONES (secretion); HYPOTHALAMUS (physiology, drug effects); KINETICS; LH-FSH RELEASING HORMONE (pharmacodynamics, analogs & derivatives); MODELS, BIOLOGICAL; PITUITARY GLAND, ANTERIOR (metabolism); PITUITARY HORMONE RELEASING HORMONES (antagonists & inhibitors); PROSTAGLANDINS (pharmacodynamics); REVIEW; SOMATOTROPIN (pharmacodynamics); THEOPHYLLINE (pharmacodynamics); THYROTROPIN RELEASING HORMONE (pharmacodynamics); XANTHINES (pharmacodynamics).

Labruné B

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labruné B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

Lainée J

[VARIOUS TYPES OF ANEMIAS IN THYROID INSUFFICIENCY] Guillausseau PJ, Lainée J, Aubert P *Nouv Presse Med* 4: 181-4, 18 Jan 75 (Fre)

Laird WP

CHILDHOOD AND DIET AS RELATED TO ATHEROSCLEROSIS. CAN THE PEDIATRICIAN HELP PROTECT AGAINST ADULT CORONARY ARTERY DISEASE. Laird WP *Clin Pediatr (Phila)* 14: 485-6, 491-4, May 75 (Eng)

ADULT; ARTERIOSCLEROSIS (prevention & control); ATHEROSCLEROSIS (prevention & control); CHILD NUTRITION; CHILD; CHOLESTEROL, DIETARY; CORONARY DISEASE (prevention & control); DIET, ATHEROGENIC; HUMAN; HYPERLIPIDEMIA (prevention & control); HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (diagnosis); LIPIDS (blood); MASS SCREENING; OBESITY (prevention & control); PEDIATRICS.

Lakshmanan MR

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-COA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroeff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

ACETYL COA CARBOXYLASE (biosynthesis, immunology); ANIMAL; CENTRIFUGATION, DENSITY GRADIENT; DIABETES MELLITUS (enzymology, chemically induced); FASTING; FATTY ACID SYNTHETASE COMPLEX (biosynthesis, immunology); IN VITRO; INSULIN (pharmacodynamics); LIGASES (biosynthesis); LIVER (enzymology, drug effects); MALE; PERFUSION; PRECIPITIN TESTS; RATS; STREPTOZOTOCIN; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Landriscina C

[TURNOVER OF NEUTRAL LIPIDS AND PHOSPHOLIPIDS IN RAT LIVER

MITOCHONDRIA] Medli FM, Landriscina C, Quagliariello E *Boll Soc Ital Biol Sper* 50: 1324-8, 15 Sep 74 (Ita)

Lange RH

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING EPOXY-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

AMPHIBIANS; ANIMAL; EPOXY RESINS; FISHES; GLUCAGON (analysis); GOATS; HISTOCYTOCHEMISTRY; HISTOLOGICAL TECHNIQUES; IMMUNOCHEMISTRY; INSULIN (analysis); ISLANDS OF LANGERHANS (analysis); RATS; REPTILES; SPECIES SPECIFICITY; SWINE (immunology).

Langley PE

SITE OF FREE-FATTY-ACID INHIBITION OF LIPOLYSIS BY HUMAN ADIPOCYTES. Burns TW, Langley PE, Robison GA *Metabolism* 24: 265-76, Mar 75 (Eng)

Lankisch PG

[INHIBITION BY SOMATOSTATIN OF PANCREATIC JUICE AND ENZYME SECRETION AND GALLBLADDER CONTRACTION IN MAN INDUCED BY SECRETIN AND CHOLECYSTOKININ-PANCREOZYMIN ADMINISTRATION (AUTHORS TRANSL.)] Creutzfeldt W, Lankisch PG, Folsch UR *Dtsch Med Wochenschr* 100: 1135-8, 16 May 75 (Ger)

Lantos T

EFFECT OF INSULIN ON THE GLUCOSE UPTAKE OF PROTOZOA. Csaba G, Lantos T *Experientia* 31: 1097-8, 15 SEP 75 (Eng)

Laporte Y

[DETERMINATION OF THE DISTRIBUTION OF GAMMA FUSIMOTOR AXONS IN THE CAT BY GLYCOGENIC DEPLETION] Barker D, Emonet-Denand F, Harker D, Jami L, Laporte Y *C R Acad Sci [D] (Paris)* 279: 1595-8, 4 Nov 74 (Fre)

Laron Z

PLASMA GLUCAGON RESPONSE TO ARGinine INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weissman I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

Larrodera L

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larrodera L, Ramirez A, Florez Tascón M, Schuller A *Rev Clin Exp* 138: 475-9, 15 Sep 75 (Spa)

Larsen B

CHRONICALLY IMPAIRED AUTOREGULATION OF CEREBRAL BLOOD FLOW IN LONG-TERM DIABETICS. Bentsen N, Larsen B, Lassen NA *Stroke* 6: 497-502, Sep-Oct 75 (Eng)

Larsen UD

STUDIES ON POLYPEPTIDES. VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Heding LG, Larsen UD *Hoppe Seyler's Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

Larvor P

[MAGNESIUM DEFICIENCY IN THE RAT AND VARIATION OF SEVERAL PARAMETERS IN RELATION TO LIPID METABOLISM] Raysiguier Y, Larvor P, Durlach J *C R Soc Biol (Paris)* 168: 736-8, 1974 (Fre)

Lassen NA

CHRONICALLY IMPAIRED AUTOREGULATION OF CEREBRAL BLOOD FLOW IN LONG-TERM DIABETICS. Bentsen N, Larsen B, Lassen NA *Stroke* 6: 497-502, Sep-Oct 75 (Eng)

Latruffe N

[RECENT DATA ON D(MINUS) BETA-HYDROXYBUTYRATE DEHYDROGENASE OF RAT LIVER MITOCHONDRIA] Latruffe N, Gaudemer Y *C R Soc Biol (Paris)* 168: 848-56, 1974 (Fre)

ACETOACETATES; ACIDS; ANIMAL EXPERIMENTS; BINDING SITES; BINDING, COMPETITIVE; ENGLISH ABSTRACT; HISTIDINE; HYDROXYBUTYRATE DEHYDROGENASE (analysis, antagonists & inhibitors); HYDROXYBUTYRATES; KINETICS; MALONATES; MERCAPTOETHANOL; MITOCHONDRIA, LIVER (enzymology); NAD; OXALOACETATES; RATS; SUCCINATES; SULFUR.

Lauger P

ION TRANSPORT THROUGH PORES: TRANSIENT PHENOMENA. Fréhland E, Lauger P *J Theor Biol* 47: 189-207, Sep 74 (Eng)

Lavine RL

THE EFFECT OF FASTING ON TISSUE CYCLIC CAMP AND PLASMA GLUCAGON IN THE OBESE HYPERGLYCEMIC MOUSE. Lavine RL, Voyles N, Perrino PV, Recant L *Endocrinology* 97: 615-20, Sep 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL; BODY WEIGHT; FASTING; FEMALE; GLUCAGON (metabolism); HYPERGLYCEMIA (metabolism); LIVER GLYCOGEN (metabolism); MICE; OBESITY.

Lawrence AM

ABSENCE OF FACILITATED GLUCOSE DISPOSAL (STAUB-TRAUGOTT EFFECT) IN SUBJECTS WITH HYPOPITUITARISM. Abraitia C, Graham LA, Lawrence AM *Metabolism* 24: 1145-55, Oct 75 (Eng)

Lawrence J

NEONATAL SECRETION OF SECRETIN. Rogers IM, Davidson DC, Lawrence J, Buchanan KD *Arch Dis Child* 50: 120-2, Feb 75 (Eng)

Le Devehat C

[INSULIN THERAPY IN CURRENT PSYCHIATRIC THERAPEUTICS] Certhoux J, Grandjeu C, Colombo J, Le Devehat C *Ann Med Psychol (Paris)* 2: 291-310, Jul 74 (Fre)

Le Roith D

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

ADULT; ANEMIA, PERNICIOUS (blood); ARGININE (pharmacodynamics); CHRONIC DISEASE; DEPRESSION, CHEMICAL; GASTRIN (blood, secretion); HUMAN; INSULIN (antagonists & inhibitors); KIDNEY FAILURE, CHRONIC (blood); LIVER DISEASES (blood); SECRETORY RATE (drug effects); SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics); STIMULATION, CHEMICAL.

Leahey MD

PEDIATRIC DIABETES: A NEW TEACHING APPROACH. Leahey MD, Logan SA, McArthur RG *Can Nurse* 71: 18-20, Oct 75 (Eng)

CHILD; DIABETES MELLITUS, JUVENILE (therapy); HUMAN; PATIENTS (education); PEDIATRIC NURSING; TEACHING (methods).

Leatherland JF

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANEE SALMON, ONCORHYNCHUS NERKA. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol [A]* 47: 821-8, 1 Mar 74 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CIRCADIAN RHYTHM; DARKNESS; FATTY ACIDS, NONESTERIFIED (blood); LIGHT; PROLACTIN (blood); SALMON (blood); SOMATOTROPIN (blood); TIME FACTORS.

Lebbe J

[REFERENCE METHOD FOR THE ESTIMATION OF GLYCAEMIA BY GAS-LIQUID CHROMATOGRAPHY (AUTHORS TRANSL)] Cahour A, Lebbe J, Hartmann L *Clin Chim Acta* 55: 139-46, 16 Sep 74 (Fre)

ADOLESCENCE; ADULT; AGE FACTORS; BIOPSY; BLOOD SUGAR (metabolism); CHILD; CHILD, PRESCHOOL; FEMALE; GALACTOSIDASES (metabolism); HUMAN; INFANT; INTESTINAL MUCOSA (enzymology); INTESTINE, SMALL (enzymology); LACTOSE TOLERANCE TEST; LACTOSE (metabolism); MALE; MIDDLE AGE; MILK (adverse effects); SUCRASE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Leclerc R

LETTER: IMMUNOHISTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN THE RAT PANCREAS. Pelletier G, Leclerc R, Arimura A, Schally AV *J Histochem Cytochem* 23: 699-702, Sep 75 (Eng)

Led JJ

CARBON-13 MAGNETIC RESONANCE STUDY OF STRUCTURAL AND DYNAMICAL FEATURES IN CARBAMYLATED INSULINS. Led JJ, Grant DM, Horton WJ, Sundby F, Vihelmsen K *J Am Chem Soc* 97: 5997-6008, 15 Oct 75 (Eng)

CARBAMATES; INSULIN (analog & derivatives); NICKEL; NUCLEAR MAGNETIC RESONANCE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; ZINC.

Lefebvre PJ

EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. Lefebvre PJ, Luyckx AS *Metabolism* 24: 1169-76, Oct 75 (Eng)

ANESTHESIA, GENERAL; ANIMAL; BLOOD SUGAR (metabolism); DOGS; FEMALE; GLUCAGON (metabolism, blood); KIDNEY (physiology, metabolism); LIGATION; MALE; PANCREAS (metabolism); RENAL ARTERY OBSTRUCTION (etiology).

Leijnse B

THE DIFFERENCE BETWEEN THE GLUCOSE CONCENTRATIONS IN PLASMA AND WHOLE BLOOD. Holtkamp HC, Verhoef NJ, Leijnse B *Clin Chim Acta* 59: 41-9, 22 Feb 75 (Eng)

Lemaire I

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

Lemaire S

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

Lemay A

ROLE OF CYCLIC AMP IN THE ACTION OF HYPOTHALAMIC REGULATORY HORMONES. Labrie F, Borgeat P, Lemay A, Lemaire S, Barden N, Drouin J, Lemaire I, Jolicoeur P, Belanger A *Adv Cyclic Nucleotide Res* 5: 787-801, 1975 (Eng) [50]

Lennane J

METABOLISM OF OCTANOATE AND ITS EFFECT ON GLUCOSE AND PALMITATE UTILIZATION BY ISOLATED FAT CELLS. Maragoudakis ME, Kalinsky HJ, Lennane J *Proc Soc Exp Biol Med* 148: 606-10, Mar 75 (Eng)

Lerch K

AMINO ACID SEQUENCE OF TWO FUNCTIONAL SITES IN YEAST GLYCOGEN PHOSPHORYLASE. Lerch K, Fischer EH *Biochemistry* 14: 2099-14, 6 May 75 (Eng)

AMINO ACID SEQUENCE; AMINO ACIDS (analysis); BINDING SITES; BOROHYDRIDES; CHROMATOGRAPHY, ION EXCHANGE; CYANOGEN BROMIDE; GLYCOGEN PHOSPHORYLASE; PEPIN; PEPTIDE FRAGMENTS (analysis); PEPTIDE HYDROLASES; PROTEIN BINDING; PYRIDOXAL; SACCHAROMYCES CEREVISIAE (enzymology); SPECTROMETRY, FLUORESCENCE; THERMOLYSIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Lertora JJ

STRUCTURE AND BIOLOGICAL FUNCTIONS OF HUMAN IGD. V. INSULIN ANTIBODIES OF THE IGD CLASS IN SERA FROM SOME DIABETIC PATIENTS. Lertora JJ, Gomez-Perez FJ, Leslie GA *Int Arch Allergy Appl Immunol* 49: 597-606, 1975 (Eng)

ABSORPTION; ADOLESCENCE; ADULT; AGED; ANTIBODIES (analysis); ANTIBODY FORMATION; BINDING SITES; ANTIBODY; DIABETES MELLITUS (immunology, blood); FEMALE; GEL DIFFUSION TESTS; HUMAN; IGD (analysis, metabolism); IGG (isolation & purification); IMMUNE SERUMS (isolation & purification); INJECTIONS, INTRADERMAL; INSULIN (administration & dosage, immunology); MALE; MIDDLE AGE; PRECIPITATION.

Leslie GA

STRUCTURE AND BIOLOGICAL FUNCTIONS OF HUMAN IGD. V. INSULIN ANTIBODIES OF THE IGD CLASS IN SERA FROM SOME DIABETIC PATIENTS. Lertora JJ, Gomez-Perez FJ, Leslie GA *Int Arch Allergy Appl Immunol* 49: 597-606, 1975 (Eng)

Letchworth AT

LETTER: HUMAN PLACENTAL LACTOGEN IN MANAGEMENT OF DIABETIC PREGNANCY. Letchworth AT, Chard T *Lancet* 2: 230, 2 Aug 75 (Eng)

FEMALE; FETAL DEATH (diagnosis, blood); HUMAN; PLACENTAL LACTOGEN (blood); PREGNANCY IN DIABETES (blood); PREGNANCY.

Leutenegger A

POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)

Leutenegger A

[POSTOPERATIVE PARENTERAL NUTRITION] Goschke H, Leutenegger A, Gruber UF *Nutr Metab* 18 suppl 1: 197-208, 1975 (Ger)

Leuzinger D

[DEVELOPMENT OF HEMOCHROMATOSES] Bercovici JP, Leuzinger D *Nouv Presse Med* 4: 2257-8, 27 Sep 75 (Fre)

Levin FJ

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

ANESTHESIA, GENERAL; ANIMAL EXPERIMENTS; GLUCOSE (pharmacodynamics); HYPOTHYROIDISM (chemically induced, metabolism); IN VITRO; INTESTINE, SMALL (metabolism); JEJUNUM (metabolism, drug effects); MALE; MEMBRANE POTENTIALS; OXYGEN CONSUMPTION (drug effects); OXYGEN; PARTIAL PRESSURE; PROPYLTHIOURACIL; RATS; SODIUM (pharmacodynamics); STIMULATION, CHEMICAL; THYROID GLAND (physiology); THYROIDECTOMY; TRIIODOTHYRONINE (pharmacodynamics).

Levin MP

A COMPARISON OF THE GLUCOSE AND PROTEIN CONTENT OF GINGIVAL FLUID FROM DIABETICS AND NONDIABETICS. Ficara AJ, Levin MP, Grower MF, Kramer GD *J Periodont Res* 10: 171-5, Jul 75 (Eng)

Levin RJ

LETTER: ELECTROGENIC ABSORPTION OF GLUCOSE. Read NW, Levin RJ, Holdsworth CD *Lancet* 1: 631, 15 Mar 75 (Eng)

Levine WR

SLEEP-RELATED GROWTH HORMONE SECRETION AND MORNING NAPS. Othmer E, Mendelson WB, Levine WR, Malarkey WB, Daughaday WH *Steroids Lipids Res* 5: 380-6, 1974 (Eng)

Levitsky S

OUTBREAKS OF SERRATIA MARCESCENS INFECTIONS IN A CARDIOTHORACIC SURGICAL INTENSIVE CARE UNIT. Richards NM, Levitsky S *Ann Thorac Surg* 19: 503-13, May 75 (Eng)

Levoni P

[CONTROLLED APPLICATION OF CYNARIN IN THE TREATMENT OF HYPERLIPIDEMIC SYNDROME. OBSERVATIONS IN 60 CASES] Montini M, Levoni P, Ongaro A, Pagani G *Arzneim Forsch* 25: 1311-4, Aug 75 (Ger)

Levy M

THE EFFECT OF GLUCAGON ON GLOMERULAR FILTRATION RATE IN DOGS DURING REDUCTION OF RENAL BLOOD FLOW. Levy M *Can J Physiol Pharmacol* 53: 660-8, Aug 75 (Eng)

ANIMAL; BARBITURATES (pharmacodynamics); DOGS; FEMALE; GLOMERULAR FILTRATION RATE (drug effects); GLUCAGON (pharmacodynamics); HEMORRHAGE (physiopathology); HYPOTENSION (physiopathology); ISCHEMIA (physiopathology); KIDNEY TUBULAR NECROSIS, ACUTE (physiopathology); KIDNEY (physiology, blood supply); MALE; NOREPINEPHRINE (pharmacodynamics);

Diabetes Literature—Author Index

REGIONAL BLOOD FLOW (drug effects); RENAL ARTERY (physiology); TIME FACTORS.

Lewartowski B

INFLUENCE OF SODIUM PALMITATE ON THE CELLULAR ACTION OF POTENTIALS OF THE LEFT VENTRICLE OF ISOLATED, PERFUSED GUINEA-PIG HEART. Wasilewska-Dziubinska E, Czarnecka M, Beresewicz A, Lewartowski B *Acta Physiol Pol* 26: 1-11, Jan-Feb 75 (Eng)

Lewerenz G

[HEALTHY NUTRITION] Lewerenz G, Haenel H *Z Gesamte Hyg* 20: 682-7, Oct 74 (Ger) DIABETES MELLITUS (etiology); ENGLISH ABSTRACT; FOOD TECHNOLOGY; GERMANY, EAST; HUMAN; NUTRITION DISORDERS; NUTRITION; OBESITY (etiology).

Lewis AS

METABOLISM RATE, BIOCHEMICAL AND ENDOCRINE ALTERATIONS IN MALE WHIRLER MICE. Weltman AS, Sackler AM, Lewis AS, Johnson L *Physiol Behav* 5: 17-22, Jan 70 (Eng)

Lewis BM

THE EFFECT OF AGE ON DEOXYRIBONUCLEIC ACID SYNTHESIS IN RAT ADIPOSE TISSUE. Lewis BM, Hayes TM *Clin Sci Mol Med* 48: 323-5, Apr 75 (Eng) ADIPOSE TISSUE (metabolism, physiology); AGING; ANIMAL EXPERIMENTS; DNA (biosynthesis); EPIDIDYMIS; MALE; RATS; THYMIDINE (metabolism); TIME FACTORS.

Lewis LA

CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)

Lewis LD

CHANGES IN PLASMA GLUCOSE AND LACTATE CONCENTRATIONS AND ENZYME ACTIVITIES IN THE NEONATAL CALF WITH DIARRHEA. Lewis LD, Phillips RW, Eliott CD *Am J Vet Res* 36: 413-6, Apr 75 (Eng) ALANINE AMINOTRANSFERASE (blood); ALDOLASE (blood); ALKALINE PHOSPHATASE (blood); ANIMAL EXPERIMENTS; ANIMALS, NEWBORN; ASPARTATE AMINOTRANSFERASE (blood); BLOOD SUGAR (analysis); CATTLE DISEASES (blood, enzymology); CATTLE; CREATINE KINASE (blood); DIARRHEA (veterinary, blood, enzymology); HYDROXYBUTYRATE DEHYDROGENASE (blood); LACTATE DEHYDROGENASE ISOENZYMES (blood); LACTATES (blood); MALE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Li CH

THE CHEMISTRY OF HUMAN PITUITARY GROWTH HORMONE. Bewley TA, Li CH *Adv Enzymol* 42: 73-166, 1975 (Eng) [169]

HUMAN PITUITARY GROWTH HORMONE: IMMUNOCHEMICAL INVESTIGATIONS OF BIOLOGICALLY ACTIVE FRAGMENTS. Clarke WC, Hayashida T, Li CH *Arch Biochem Biophys* 164: 571-4, Oct 74 (Eng)

Lickley HL

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DOSUPPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng) ANIMAL; DOGS; DUODENUM (metabolism); FEMALE; GLUCAGON (blood); GLUCOSE

TOLERANCE TEST; GLUCOSE (metabolism); INSULIN (blood); INTESTINAL ABSORPTION; INTESTINES (metabolism); LIVER (metabolism); PORTACAVAL ANASTOMOSIS; PORTAL VEIN (metabolism).

Liddle GW

EFFECT OF HYPOGLYCEMIA ON EXTRACELLULAR LEVELS OF CYCLIC AMP IN MAN. Hamet P, Lowder SC, Hardman JG, Liddle GW *Metabolism* 24: 1139-44, Oct 75 (Eng)

Lieber CS

ACUTE AND CHRONIC EFFECTS OF ETHANOL ON INTESTINAL LIPID METABOLISM. Baraona E, Pirola RC, Lieber CS *Biochim Biophys Acta* 388: 19-28, 18 Apr 75 (Eng)

Lieberman S

TRITUM LABELING OF AMINO ACIDS IN POLYPEPTIDE HORMONES. Hembree WC, Wolf AP, Ehrenkaufer RE, Lieberman S *Methods Enzymol* 37 pt b: 313-21, 1975 (Eng)

Lin IL

EFFECTS OF CONTINUOUS INFUSION OF CARDIOTONIC AGENTS ON ARTERIAL CATIONS AND GLUCOSE IN DOGS. Chow SY, Chen SM, Lin IL *Chin J Physiol* 21: 159-72, 31 Dec 73 (Eng)

Lin TM

ACTIONS OF GASTROINTESTINAL HORMONES AND RELATED PEPTIDES ON THE MOTOR FUNCTION OF THE BILIARY TRACT. Lin TM *Gastroenterology* 69: 1006-22, Oct 75 (Eng) [137]

ANIMAL; BILIARY TRACT (physiology, drug effects); CAERULEIN (pharmacodynamics, physiology); CHOLECYSTOKININ (pharmacodynamics); DOGS; GASTRIN (pharmacodynamics); GASTROINTESTINAL HORMONES (pharmacodynamics, physiology); GLUCAGON (pharmacodynamics, physiology); GUINEA PIGS; MUSCLE CONTRACTION (drug effects); MUSCLE, SMOOTH (physiology, drug effects); REVIEW; SECRETIN (pharmacodynamics).

Linksy DB

PROCEEDINGS: BLOOD FLOW AND SUBSTRATE UPTAKE AND OXIDATION IN THE HIND LIMB MUSCLES OF SHEEP. Domanski A, Linksy DB, Setchell BP *J Physiol (Lond)* 242: 28-29P, Oct 74 (Eng)

Liotta A

A SENSITIVE BIOASSAY FOR THE DETERMINATION OF HUMAN PLASMA ACTH LEVELS. Liotta A, Krieger DT *Nature* 253: 268-7, 13 Feb 75 (Eng)

ACETONE; ADDISONS DISEASE (blood); ADRENAL GLANDS (cytology); ADSORPTION; ANIMAL EXPERIMENTS; BIOLOGICAL ASSAY; BLOOD SUGAR; COMPARATIVE STUDY; CORTICOTROPIN (blood, analogs & derivatives); CUSHINGS SYNDROME (blood); HUMAN; HYPOPITUITARISM (blood); MSH (pharmacodynamics); RADIOIMMUNOASSAY; RATS; SILICIC ACID; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VASOPRESSIN (pharmacodynamics).

Lippmann W

STIMULATION OF CYCLIC AMP FORMATION IN THE ANTERIOR PITUITARY BY 11-DEOXYPROSTAGLANDINS AND THEIR ANALOGUES. Lippmann W *Pharmacol Res Commun* 6: 595-601, Dec 74 (Eng) ADENINE (metabolism); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); ANIMAL EXPERIMENTS; IN VITRO; MALE; PITUITARY GLAND (metabolism); PITUITARY GLAND,

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Lutmer RF

ANTERIOR (metabolism, drug effects);
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PROSTAGLANDINS (pharmacodynamics);
RATS; STEREOISOMERS; STIMULATION,
CHEMICAL; STRUCTURE-ACTIVITY
RELATIONSHIP.

Lithner F

CUTANEOUS REACTIONS OF ALLOXAN
DIABETIC RATS TO LOCAL THERMAL
TRAUMA. *Lithner F, Hagg E Ups J Med Sci* 80:
99-102, 1975 (Eng)

AGE FACTORS; ALLOXAN DIABETES
(complications); ANIMAL; EAR, EXTERNAL
(injuries); ERYTHEMA (etiology); HEAT;
MALE; NECROSIS; RATS; SKIN (injuries); TIME
FACTORS.

Little CM

A DIALYSIS APPARATUS FOR MEASURING
PERMEATION RATES THROUGH POLYMER
FILMS. *Little CM, Osterhoudt HW Ion Exch*
Membr 1: 75-80, Dec 72 (Eng)

DIALYSIS (methods); GLUCOSE; MANNITOL;
MATHEMATICS; MEMBRANES, ARTIFICIAL;
PERMEABILITY; POLYMERS; RAFFINOSE;
SODIUM CHLORIDE.

Litwin M

[SURGERY AND DIABETES MELLITUS
(AUTHORS TRANSL.) Litwin M, Panacka A,
Smigielska H *Ann Univ Mariae Curie Skłodowska*
[Med] 29: 255-62, 1974 (Pol)

ADOLESCENCE; ADULT; AGED; DIABETES
MELLITUS (complications); FEMALE; HUMAN;
MALE; MIDDLE AGE; SURGERY, OPERATIVE
(adverse effects, mortality).

Liuzzi A

STABLE REDUCTION OF PLASMA GROWTH
HORMONE (HGH) LEVELS DURING
CHRONIC ADMINISTRATION OF 2-BR-
ALPHA-ERGOCRYPTINE (CB-154) IN
ACROMEGALIC PATIENTS. Chiodini PG,
Liuzzi A, Botalla L, Oppizzi G, Muller EE, Sil-
vestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr
75 (Eng)

Lo Vecchio L

ENZYMES OF GLUCOSE METABOLISM AND
OF THE CITRATE CLEAVAGE PATHWAY IN
ADIPOSE TISSUE OF NORMAL AND
DIABETIC SUBJECTS. Belfiore F, Rabuazzo
AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes*
24: 865-73, Oct 75 (Eng)

Lodmell DL

DELAYED HYPERSENSITIVITY IN NORMAL
AND ALEUTIAN DISEASE-AFFECTED MINK.
Munoz J, Lodmell DL, Race RE, Jackson TA,
Hudlow WJ *Z Immunitaetsforsch* 147: 53-60,
May 74 (Eng)

Loewenthal M

MALIGNANT METASTATIC INSULINOMA
TREATED WITH STREPTOZOTOCIN. Gefel
A, Flatau E, Ayalon D, Papo J, Loewenthal M
Clin Endocrinol (Oxf) 4: 461-8, Sep 75 (Eng)

Logan R

PROCEEDINGS: EFFECT OF THE HISTAMINE
H2 RECEPTOR ANTAGONIST, CIMETIDINE,
ON INSULIN-INDUCED GASTRIC SEC-
RETION IN MAN. Carter DC, Logan R, Forrest JA,
Ansell I, Heading RC *Br J Surg* 62: 664-5, Aug
75 (Eng)

Logan SA

PEDIATRIC DIABETES: A NEW TEACHING
APPROACH. Leahy MD, Logan SA, McArthur
RG *Can Nurse* 71: 18-20, Oct 75 (Eng)

Loge O

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC
OF HIGH POTENCY AND EFFICACY. Blumen-
bach L, Gerhards E, Gutsche H, Klein W,
Loge O, Losert W, Schillinger E, Speck U,
Vetter H, Wendt H *Int J Clin Pharmacol*
Biopharm 12: 141-51, Jul 75 (Eng)

Logie AW

CLINICAL TRIAL OF GLIBORNURIDE IN
DIABETES. Logie AW, Stowers JM *Br Med J* 3:
514-5, 30 Aug 75 (Eng)

ADULT; AGED; BLOOD SUGAR;
COMPARATIVE STUDY; DIABETES
MELLITUS (drug therapy); EVALUATION
STUDIES; FEMALE; GLIBORNURIDE
(therapeutic use); HUMAN; MALE; MIDDLE
AGE; SULFONYLUREA COMPOUNDS
(therapeutic use).

Logothetopoulos J

THE EFFECTS OF D- AND L-GLYCERAL-
DEHYDE ON GLUCOSE OXIDATION, INSU-
LIN SECRETION AND INSULIN BIOSYNTHESIS
BY PANCREATIC ISLETS OF THE RAT.
Jain K, Logothetopoulos J, Zucker P *Biochim*
Biophys Acta 399: 384-94, 13 Aug 75 (Eng)

Lopatynski J

[MORPHOLOGICAL AND HISTOCHEMICAL
RESEARCH OF THE RABBIT AORTA WITH
EXPERIMENTAL CHOLESTEROL
ATHEROMASIA AND ALLOXAN DIABETES
(AUTHORS TRANSL.) Stepien A, Hanzlik J,
Lopatynski J, Wolanski I *Ann Univ Mariae Curie*
Skłodowska [Med] 29: 157-67, 1974 (Pol)

Lopez Villegas J

[USE OF TOLBUTAMIDE IN DIABETES AND
PREGNANCY] Villanueva Gasca A, Maria Gar-
cia L, Lopez Villegas J, Nunez E *Ginecol Obstet*
Mex 38: 133-7, Aug 75 (Spa)

Lorenzi M

ABNORMAL PANCREATIC GLUCAGON
SECRETION AND POSTPRANDIAL HYPER-
GLYCEMIA IN DIABETES MELLITUS. Gerich
JE, Lorenzi M, Karam JH, Schneider V, Forsham
PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)

Losert W

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC
OF HIGH POTENCY AND EFFICACY. Blumen-
bach L, Gerhards E, Gutsche H, Klein W,
Loge O, Losert W, Schillinger E, Speck U,
Vetter H, Wendt H *Int J Clin Pharmacol*
Biopharm 12: 141-51, Jul 75 (Eng)

[THE FUNDAMENTALS OF THE PHAR-
MACOLOGY OF ANTIDIABETIC SUB-
STANCES] Losert W *Pharmazie* 30: 422-33, Jul
75 (Ger) [184]

ADIPOSE TISSUE (metabolism); AGING;
ANIMAL; ANTIBODY FORMATION; CATTLE;
DIABETES MELLITUS (metabolism);
DIABETES MELLITUS, JUVENILE
(metabolism); FATTY ACIDS (metabolism);
GLUCOSE (metabolism); GLYCOGEN
(metabolism); HUMAN; HYPOGLYCEMIC
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(metabolism, pharmacodynamics); ISLANDS OF
LANGERHANS (metabolism); KETONE BODIES
(metabolism); LIPIDS (metabolism); LIVER
(metabolism); MUSCLES (metabolism);
RABBITS; REVIEW; TRIGLYCERIDES
(metabolism).

Lowder SC

EFFECT OF HYPOGLYCEMIA ON EXTRACEL-
LULAR LEVELS OF CYCLIC AMP IN MAN.
Hamet P, Lowder SC, Hardman JG, Little GW
Metabolism 24: 1139-44, Oct 75 (Eng)

Luders L

[COMPARATIVE USE OF GLIQUIDONE AND
TOLBUTAMIDE ADMINISTERED IN-

TRAVENOUSLY] Zilker T, Luders L, Botter-
mann P *Munch Med Wochenschr* 117: 1421-2, 5
Sep 75 (Ger)

Ludwiczak H

[SJOGRENS SYNDROME WITH PROGRESSIVE
SYSTEMIC SCLEROSIS AND PRIMARY
DIABETES IN A 12-YEAR-OLD GIRL]
Wesolowska H, Ludwiczak H, Ferdynus J *Reu-
matologia* 13: 215-9, 1975 (Pol)

Luft R

CELLULAR LOCALIZATION OF SO-
MATOSTATIN IN ENDOCRINE-LIKE CELLS
AND NEURONS OF THE RAT WITH SPECIAL
REFERENCES TO THE A1-CELLS OF THE
PANCREATIC ISLETS AND TO THE
HYPOTHALAMUS. Hokfelt T, Elfend S, Hel-
lerstrom C, Johansson O, Luft R, Arimura A
Acta Endocrinol [Suppl] (Kbh) 80: 5-41, 1975
(Eng)

Lui CT

EFFECTS OF BACTERIAL CARDIO-STIMU-
LATING SUBSTANCE ON CARDIAC
METABOLISM IN DOGS. Lui CT, Williams RP
Arch Int Pharmacodyn Ther 211: 280-90, Oct 74
(Eng)

ANIMAL EXPERIMENTS; BACILLUS
ANTHRACIS; DOGS; GLUCOSE (metabolism);
GLYCOGEN (metabolism); HEART (drug
effects); LACTATES (metabolism); MUSCLE
PROTEINS (metabolism); MYOCARDIUM
(metabolism); OXYGEN CONSUMPTION (drug
effects); PHOSPHOLIPIDS (metabolism);
PYRUVATES (metabolism); STIMULATION,
CHEMICAL.

Lundbaek K

DIAGNOSIS AND TREATMENT OF PAN-
CREATIC BETA-CELL TUMOR. Skjoldborg H,
Olsen TS, Lundbaek K, Madsen B *Surg Annu* 7:
219-39, 1975 (Eng) [43]

Lundberg P

ATP- AND PHOSPHATE-INDUCED CONFIGU-
RATIONAL CHANGES OF SUBMITOCHON-
DRIAL PARTICLES. Lundberg P *Biochim*
Biophys Acta 376: 458-69, 20 Mar 75 (Eng)

ADENOSINE TRIPHOSPHATE

(pharmacodynamics); ANTIMETABOLITES
(pharmacodynamics); CATTLE; KINETICS;
MAGNESIUM (pharmacodynamics);
MEMBRANES (ultrastructure, drug effects);
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drug effects); MYOCARDIUM; OLIGOMYCIN
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PHOSPHATES, INORGANIC
(pharmacodynamics); SCATTERING,
RADIATION; SPECTROMETRY,
FLUORESCENCE; TIME FACTORS;
VALINOMYCIN (pharmacodynamics).

Lundquist I

INTERRELATIONSHIPS BETWEEN ALPHA
AND BETA-ANOMERS OF GLUCOSE AF-
FECTING BOTH INSULIN AND GLUCAGON
SECRETION IN THE PERFUSED RAT PAN-
CREAS. II. Grodsky GM, Fanks R, Lundquist I
Endocrinology 97: 573-80, Sep 75 (Eng)

Luschin JH

APPARENT ACCELERATED AGING OF
HUMAN COLLAGEN IN DIABETES MEL-
LITUS. Hamlin CR, Kohn RR, Luschin JH
Diabetes 24: 902-4, Oct 75 (Eng)

Lutmer RF

ADRENAL GLANDULAR LIPIDS AND CIRCULATING
CORTICOSTERONE IN SEVERELY
DIABETIC RATS. Wexler BC, Lutmer RF *Br J*
Exp Pathol 56: 299-306, Aug 75 (Eng)

Diabetes Literature—Author Index

LUTZ W

Lutz W

STUDIES ON FORMATION OF COMPLEXES OF INSULIN WITH BASIC PEPTIDES ISOLATED FROM THE PLASMA OF UREMIC PATIENTS. *Lutz W Acta Med Pol* 16: 159-70, 1975 (Eng)

HUMAN; INSULIN (blood); MOLECULAR WEIGHT; NINHYDRIN (blood); PEPTIDE FRAGMENTS (blood); PEPTIDES (blood); UREMIA (blood).

Luyckx AS

EFFECT OF ACUTE KIDNEY EXCLUSION BY LIGATION OF RENAL ARTERIES ON PERIPHERAL PLASMA GLUCAGON LEVELS AND PANCREATIC GLUCAGON PRODUCTION IN THE ANESTHETIZED DOG. *Lefebvre PJ, Luyckx AS Metabolism* 24: 1169-76, Oct 75 (Eng)

Luzzani F

PROCEEDINGS: THE DISPOSITION OF L-(3-H)-NORADRENALINE BY THE ISOLATED EPIDIDYMAL FAT PAD OF THE RAT AND THE EFFECT OF ANTILIPOLYTIC AGENTS. *Bizzi A, Codegoni AM, Luzzani F, Manara L, Tacconi MT Br J Pharmacol* 52: 449p-450p, Nov 74 (Eng)

Lyons SA

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. *Metzger RP, Sauerheber RD, Lyons SA, Westall JR Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

MacDonnell PC

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. *MacDonnell PC, Ryder E, Delvalle JA, Greengard O Biochem J* 150: 269-73, Aug 75 (Eng)

ANIMAL; ASPARTATE AMINOTRANSFERASE (metabolism); CULTURE MEDIA; FEMALE; FETUS; GLUCAGON (pharmacodynamics); HEXOKINASE (metabolism); HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); LIVER (metabolism, drug effects); MALATE DEHYDROGENASE (metabolism); MALE; ORGAN CULTURE; PREGNANCY; PROTEINS (metabolism); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Macho L

LIPOLYSIS AND CYCLIC-3, 5-AMP CONTENT IN RAT ADIPOSE TISSUE AT DIFFERENT AGE. *Macho L, Kolena J Endocrinol Exp (Bratisl)* 9: 93-9, Jun 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADIPOSE TISSUE (metabolism); AGE FACTORS; ANIMAL EXPERIMENTS; CORTICOTROPIN (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); DNA (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); GLYCERIN (metabolism); IN VITRO; LIPID MOBILIZATION; MALE; NOREPINEPHRINE (pharmacodynamics); RATS.

Mackay IR

VULNERABILITY OF CELL-SURFACE RECEPTORS TO AUTOIMMUNE REACTIONS. *Carnegie PR, Mackay IR Lancet* 2: 684-7, 11 Oct 75 (Eng)

Mackintosh P

LETTER: AETIOLOGY OF JUVENILE DIABETES. *Rolls CJ, Rayner PH, Mackintosh P Lancet* 2: 230, 2 Aug 75 (Eng)

Macleay A

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. *Maier KR, Harper JF, Macleay A, King MG J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

MacLeod MB

METABOLISM OF BLOOD GLUCOSE BY THE INTACT FUNCTIONING KIDNEY OF THE DOG. *Pitts RF, MacLeod MB Kidney Int* 7: 130-6, Mar 75 (Eng)

Macrae KD

VALUE OF PERIOPERATIVE ACID TESTS IN PREDICTING RECURRENT ULCERATION AFTER VAGOTOMY. *Hood JM, Spencer EF, Macrae KD, Kennedy T Br J Surg* 62: 665, Aug 75 (Eng)

Madsen B

DIAGNOSIS AND TREATMENT OF PANCREATIC BETA-CELL TUMOR. *Skjoldborg H, Olsen TS, Lundback K, Madsen B Surg Annu* 7: 219-39, 1975 (Eng) [43]

Madsen HG

[DETERMINATION OF GLUCOSE IN URINE. COMPARISON BETWEEN TESTAPE, CLINTEST, FERMENTATION SACCHAROMETER AND AUTOANALYZER] *Kragh PL, Madsen HG Ugeskr Laeger* 137: 2308-12, 29 Sep 75 (Dan)

Maguire ME

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS. *Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE (pharmacodynamics); ANIMAL EXPERIMENTS; BINDING SITES; CATECHOLAMINES (pharmacodynamics); CELL LINE (metabolism); DOGS; HEART VENTRICLE (metabolism); HYBRID CELLS (metabolism); MICROSOMES (metabolism, drug effects); NOREPINEPHRINE (metabolism, pharmacodynamics); PROSTAGLANDINS (pharmacodynamics); RECEPTORS, HORMONE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Mahajan S

A QUANTITATIVE APPROACH TO THE COMPARISON OF BIOMOLECULAR TOPOGRAPHIES. *Sundaram K, Mahajan S, Mishra RK Physiol Chem Phys* 6: 469-78, 1974 (Eng)

Maier KR

PECULIARITIES IN THE ENDOCRINE RESPONSE TO INSULIN STRESS IN EARLY INFANTILE AUTISM. *Maier KR, Harper JF, Macleay A, King MG J Nerv Ment Dis* 161: 180-4, Sep 75 (Eng)

ADOLESCENCE; AUTISM, EARLY INFANTILE (physiopathology, complications, metabolism); BLOOD SUGAR (metabolism); CHILD; CHILD, PRESCHOOL; FEMALE; HUMAN; HYDROCORTISONE (metabolism); HYPOGLYCEMIA (chemically induced, complications, metabolism); INSULIN (diagnostic use); MALE; SOMATOTROPIN (metabolism); STRESS (complications).

Mahieu P

BIOCHEMICAL STUDIES OF THE GLOMERULAR BASEMENT MEMBRANE IN THE DISEASED KIDNEY. *Mahieu P, Winand RJ, Nussgens B Adv Nephrol* 2: 25-34, 1972 (Eng) [29]

AMINO ACIDS (analysis); BASEMENT MEMBRANE (pathology, ultrastructure, analysis); COLLAGEN (analysis); DIABETES MELLITUS (pathology); DISEASE MODELS, ANIMAL;

GLOMERULONEPHRITIS (pathology, chemically induced); GLYCOPOLYPTIDES (isolation & purification); ISOELECTRIC POINT; KIDNEY GLOMERULUS (pathology, ultrastructure, analysis); MOLECULAR WEIGHT; REVIEW.

Mako ME

INSULIN AND THE KIDNEY. *Rubenstein AH, Mako ME, Horwitz DL Nephron* 15: 306-26, 1975 (Eng) [147]

Malaisse WJ

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES. *Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ Diabetes* 24: 892-901, Oct 75 (Eng)

Malaisse-Lagae F

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES. *Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ Diabetes* 24: 892-901, Oct 75 (Eng)

Malan PG

STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPRANOLOL. *Marshall NJ, Von Borcke S, Malan PG Endocrinology* 96: 1513-9, Jun 75 (Eng)

STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID. *Marshall NJ, von Borcke S, Malan PG Endocrinology* 96: 1520-4, Jun 75 (Eng)

Malarkey WB

SLEEP-RELATED GROWTH HORMONE SECRETION AND MORNING NAPS. *Othmer E, Mendelson WB, Levine WR, Malarkey WB, Daughaday WH Steroids Lipids Res* 5: 380-6, 1974 (Eng)

Malcom GT

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. *Kokatnur MG, Malcom GT, Eggen DA, Strong JP Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

Malins JM

GLUCOSE TOLERANCE AND THE DIABETIC POPULATION. *Malins JM Postgrad Med J* 50 SUPPL 3: 529-37, Aug 74 (Eng)

ADULT; AGED; DIABETES MELLITUS (occurrence, mortality); ENGLAND; FEMALE; FOLLOW-UP STUDIES; GLUCOSE TOLERANCE TEST; HUMAN; MALE; MIDDLE AGE.

Manara L

PROCEEDINGS: THE DISPOSITION OF L-(3-H)-NORADRENALINE BY THE ISOLATED EPIDIDYMAL FAT PAD OF THE RAT AND THE EFFECT OF ANTILIPOLYTIC AGENTS. *Bizzi A, Codegoni AM, Luzzani F, Manara L, Tacconi MT Br J Pharmacol* 52: 449p-450p, Nov 74 (Eng)

Manzi Ferri L

EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN

- THE RAT** Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)
- Maragoudakis ME**
METABOLISM OF OCTANOATE AND ITS EFFECT ON GLUCOSE AND PALMITATE UTILIZATION BY ISOLATED FAT CELLS. Maragoudakis ME, Kalinsky HJ, Lennane J *Proc Soc Exp Biol Med* 148: 606-10, Mar 75 (Eng)
- ADIPOSE TISSUE** (cytology, metabolism); **ANIMAL EXPERIMENTS**; **CAPRYLATES** (metabolism); **CARBON DIOXIDE** (biosynthesis); **CHROMATOGRAPHY**; **EPIDIDYMIS** (cytology, metabolism); **ESTERS**; **FATTY ACIDS** (biosynthesis); **GLUCOSE** (metabolism); **GLYCERIN** (metabolism); **HYDROGEN-ION CONCENTRATION**; **HYDROLYSIS**; **MALE**; **OCTANOIC ACIDS** (metabolism, administration & dosage); **PALMITIC ACIDS** (metabolism); **RATS**; **TRIGLYCERIDES** (biosynthesis).
- Marcus S**
INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paeppe M, Marcus S, Peeters G *J Endocrinol* 66: 213-24, Aug 75 (Eng)
- Maria Garcia L**
[USE OF TOLBUTAMIDE IN DIABETES AND PREGNANCY] Villanueva Gasca A, Maria Garcia L, Lopez Villegas J, Nunez E *Ginecol Obstet Mex* 38: 133-7, Aug 75 (Spa)
- Marin A**
NEW ORAL ANTIDIABETIC DRUGS. SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIPS. Francia E, Marin A, Verdejo F, Sanchez MS, Morell J *Boll Chim Farm* 114: 379-92, Jul 75 (Eng)
- Marks V**
PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)
- Markussen J**
STUDIES ON POLYPEPTIDES. VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Heding LG, Larsen UD *Hoppe Seyler's Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)
- Marowski B**
[PHENFORMIN, KIDNEY INSUFFICIENCY AND LACTIC ACIDOSIS] Marowski B *Ther Ggw* 113: 1706-26, Oct 74 (Ger)
- ACIDOSIS** (drug therapy, etiology); **HUMAN**; **KIDNEY DISEASES** (drug therapy, complications); **LACTATES**; **PHENFORMIN** (therapeutic use).
- Marquis Y**
[VALUES OF GLUCOSE, POTASSIUM AND INORGANIC PHOSPHATE AS METABOLIC INDICATORS OF MYOCARDIAL ISCHEMIA IN HUMANS] Dagenais GR, Marquis Y, Moisan A *Arch Mal Coeur* 68: 169-77, Feb 75 (Fre)
- Marshall NJ**
STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPRANOLOL. Marshall NJ, Von Borcke S, Malan PG *Endocrinology* 96: 1513-9, Jan 75 (Eng)
- ADENOSINE TRIPHOSPHATASE** (metabolism); **ADENYL CYCLASE** (metabolism); **ANESTHETICS**, **LOCAL** (pharmacodynamics); **ANIMAL EXPERIMENTS**; **CATTLE**; **CELL MEMBRANE** (enzymology, drug effects); **ENZYME ACTIVATION** (drug effects); **FLUORIDES** (pharmacodynamics); **IN VITRO**; **LIDOCAINE** (pharmacodynamics); **MAGNESIUM** (pharmacodynamics); **PHOSPHATASES** (metabolism); **POTASSIUM** (pharmacodynamics); **PROCTOLOL** (pharmacodynamics); **PROPRANOLOL** (pharmacodynamics); **PROSTAGLANDINS** (pharmacodynamics); **QUINIDINE** (pharmacodynamics); **SODIUM** (pharmacodynamics); **STEREISOISOMERS**; **THYROID GLAND** (enzymology); **THYROTROPIN** (physiology, pharmacodynamics).
- STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID.** Marshall NJ, von Borcke S, Malan PG *Endocrinology* 96: 1520-4, Jan 75 (Eng)
- ADENYL CYCLASE** (metabolism); **ANIMAL EXPERIMENTS**; **CATTLE**; **CELL MEMBRANE** (enzymology, drug effects); **ENZYME ACTIVATION** (drug effects); **EPINEPHRINE** (pharmacodynamics); **IN VITRO**; **ISOPROTERENOL** (pharmacodynamics); **KINETICS**; **LIDOCAINE** (pharmacodynamics); **NOREPINEPHRINE** (pharmacodynamics); **PHENTOLAMINE** (pharmacodynamics); **PROPRANOLOL** (pharmacodynamics); **QUINIDINE** (pharmacodynamics); **THYROID GLAND** (enzymology); **TIME FACTORS**.
- Martin GM**
LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WP, Martin GM *Brain Res* 96: 156-60, 10 Oct 75 (Eng)
- Martin JB**
RECOVERY FROM PARADOXICAL GROWTH HORMONE RESPONSES IN ACROMEGALY AFTER TRANSPHENOIDAL SELECTIVE ADENOMECTOMY. Hoyte KM, Martin JB *J Clin Endocrinol Metab* 41: 656-9, Oct 75 (Eng)
- Martin WG**
COUPLING OF GLYCINE AND ALANINE TRANSPORT TO RESPIRATION IN CELLS OF ESCHERICHIA COLI. Sprott GD, Dimock K, Martin WG, Schneider H *Can J Biochem* 53: 262-8, Mar 75 (Eng)
- Martin-De Leon PA**
GROWTH DEPENDENT 2-DEOXY-D-GLUCOSE UPTAKE IN TRANSFORMED AND NORMAL MOUSE CELLS. Martin-De Leon PA, Mukherjee BB *Can J Genet Cytol* 16: 823-30, Dec 74 (Eng)
- ANIMAL EXPERIMENTS**; **CELL COUNT**; **CELL DIVISION**; **CELL LINE**; **CELL TRANSFORMATION**; **NEOPLASTIC CELLS**; **CULTURED** (metabolism); **CONTACT INHIBITION**; **DEOXY SUGARS** (metabolism); **DEOXYGLUCOSE** (metabolism); **FIBROBLASTS**; **GENOTYPE**; **MICE**; **INBRED AKR**; **MICE**; **INBRED BALB C**; **MOUSE TUMOR VIRUSES**; **SV40 VIRUS**; **THYMIDINE** (metabolism); **TRITIUM**.
- Maruhama Y**
DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)
- Maruo B**
EFFECT OF GLUCOSE AND ITS ANALOGUES ON THE ACCUMULATION AND RELEASE OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN A MEMBRANE FRACTION OF ESCHERICHIA COLI: RELATION TO BETA-GALACTOSIDASE SYNTHESIS. Seto H, Nagata Y, Maruo B *J Bacteriol* 122: 669-75, May 75 (Eng)
- Maslova LN**
[SOME DATA ON THE CHARACTERISTICS OF ANIMALS FOLLOWING CHRONIC ISOLATION OF THE MEDIAN-BASAL HYPOTHALAMUS] Maslova LN *Patol Fiziol Eksp Ter* 43-8, Jan-Feb 74 (Rus)
- ANIMAL EXPERIMENTS**; **BLOOD SUGAR** (analysis); **BODY TEMPERATURE**; **BODY WEIGHT**; **DENERVATION**; **ENGLISH ABSTRACT**; **EXPLORATORY BEHAVIOR** (physiology); **FEMALE**; **HYPOTHALAMUS** (physiology); **NEURONS**, **AFFERENT** (physiology); **NUTRITIONAL REQUIREMENTS**; **ORIENTATION** (physiology); **RATS**; **TIME FACTORS**; **WATER** (metabolism).
- Massry SG**
ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)
- Matas AJ**
LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)
- BLOOD SUGAR** (analysis); **CREATININE** (blood); **DIABETES MELLITUS**, **JUVENILE** (blood); **GRAFT REJECTION**; **HUMAN**; **HYPERGLYCEMIA** (blood, etiology); **KIDNEY DISEASES** (complications); **KIDNEY** (transplantation); **TRANSPLANTATION**, **HOMOLOGOUS**.
- Matheson IC**
EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST TWO MONTHS OF PREGNANCY. Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)
- Matschinsky FM**
IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hoyer BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)
- ENZYMES OF THE CHOLINERGIC SYSTEM IN ISLETS OF LANGERHANS.** Godfrey DA, Matschinsky FM *J Histochem Cytochem* 23: 645-51, Sep 75 (Eng)
- Matsuoka Y**
[PROCEEDINGS: HYPERGLYCEMIA IN THE EARLY PHASE OF ALLOXAN ADMINISTRATION AND SYMPATHETIC NERVE INTERRUPTION] Yasumitsu C, Matsuoka Y, Tanaka I *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Jpn)
- Matthieu JM**
[35-SULFATE INCORPORATION INTO MYELIN GLYCOPROTEINS; II. PERIPHERAL NERVOUS TISSUE. Matthieu JM, Everly JL, Brady RO, Quarles RH *Biochim Biophys Acta* 392: 167-74, 5 May 75 (Eng)
- ANIMAL EXPERIMENTS**; **ELECTROPHORESIS**, **POLYACRYLAMIDE GEL**; **FUCOSE** (metabolism); **GLYCOPROTEINS** (biosynthesis); **LEUCINE** (metabolism); **MALE**; **MYELIN SHEATH** (metabolism); **NERVE TISSUE PROTEINS** (biosynthesis); **PRONASE**; **RATS**; **SCIATIC NERVE** (metabolism); **SULFATES** (metabolism); **TRITIUM**.
- Matzkies F**
[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)] Grabner W, Matz-

Maughan GB

kies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

[SERUM LIPOPROTEIDS AND KETONE BODIES AFTER CONSTANT INFUSION OF SORBITOL I.V. (AUTHORS TRANSL)] Berg G, Matzkes F *Klin Wochenschr* 53: 187-8, 15 Feb 75 (Ger)

Maughan GB

UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybultski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)

Maxwell MH

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massey SG *Nephron* 15: 35-49, 1975 (Eng)

May V

[INCIDENCE OF HYPERURICEMIA AND GOUT IN CORONARY INSUFFICIENCY FROM ANGINA PECTORIS TO MYOCARDIAL INFARCT] May V, Robert H *Rev Rhum Mal Osteoarthr* 42: 467-70, Jul-Sep 75 (Fre)

ADULT: AGE FACTORS; AGED; ANGINA PECTORIS (etiology); CHOLESTEROL (blood); CORONARY DISEASE (etiology); DIABETES MELLITUS (complications); ENGLISH ABSTRACT; FEMALE; GOUT (complications); HUMAN; MALE; MIDDLE AGE; MYOCARDIAL INFARCT (etiology); RISK; SMOKING (complications); TRIGLYCERIDES (blood); URIC ACID (blood).

McArthur RG

PEDIATRIC DIABETES: A NEW TEACHING APPROACH. Lcahey MD, Logan SA, McArthur RG *Can Nurse* 71: 18-20, Oct 75 (Eng)

McCann SM

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

McChesney EW

EXCRETION AND METABOLISM OF SACCHARIN IN MAN. II. STUDIES WITH 14-C-LABELLED AND UNLABELLED SACCHARIN. Byard JL, McChesney EW, Goldberg L, Coulston F *Food Cosmet Toxicol* 12: 175-84, Apr 74 (Eng)

McCormick DB

BIOTIN. McCormick DB *Nutr Rev* 33: 97-102, Apr 75 (Eng) [36]

ACETYL COA CARBOXYLASE (metabolism); ALLOSTERIC REGULATION; ANIMAL EXPERIMENTS; ASPERGILLUS (metabolism); AVIDIN (adverse effects); BACTERIA (metabolism); BIOLOGICAL TRANSPORT; BIOTIN (metabolism, deficiency); CARBOXYLYASES (metabolism); COENZYMES (metabolism); CYTOSOL (metabolism); HUMAN; MITOCHONDRIA (metabolism); PYRUVATE CARBOXYLASE (metabolism); REVIEW; VITAMIN B DEFICIENCY (metabolism).

McCoy S

THE INFLUENCE OF DIET ON RESPONSE TO HEMORRHAGIC SHOCK. Drucker WR, Howard PL, McCoy S *Ann Surg* 181: 698-704, May 75 (Eng)

Diabetes Literature—Author Index

McGlothlin CD

THERMOCHEMICAL DETERMINATION OF GLUCOSE IN SERUM, PLASMA, AND WHOLE BLOOD WITHOUT PRIOR DEPROTEINIZATION. McGlothlin CD, Jordan J *Clin Chem* 21: 741-5, May 75 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); ARSENIC; BLOOD PROTEINS; BLOOD SUGAR (analysis); CHEMISTRY; COMPARATIVE STUDY; EVALUATION STUDIES; GLUCOSE OXIDASE; HEXOKINASE; HUMAN; MOLYBDENUM; PLASMA (analysis); THERMODYNAMICS; TOLUIDINES; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

McIntire FC

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-CONTAINING MACROMOLECULES. Springer GF, Mittal KK, Terasaki PI, Desai PR, McIntire FC, Hirata AA *Z Immunitaetsforsch* 145: 166-75, May 75 (Eng)

McKeown BA

CIRCADIAN RHYTHM OF PLASMA PROLACTIN, GROWTH HORMONE, GLUCOSE AND FREE FATTY ACID IN JUVENILE KOKANE SALMON, ONCORHYNCHUS NERKA. Leatherland JF, McKeown BA, John TM *Comp Biochem Physiol* [A] 47: 821-8, 1 Mar 74 (Eng)

McKeown SR

INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Ilic V *Biochem J* 150: 145-52, Aug 75 (Eng)

McMillan DE

DETERIORATION OF THE MICROCIRCULATION IN DIABETES. McMillan DE *Diabetes* 24: 944-57, Oct 75 (Eng) [168]

BASEMENT MEMBRANE (pathology); BLOOD VISCOSITY; CARDIOVASCULAR DISEASES (etiology); CELL SURVIVAL, DIABETIC ANGIOPATHIES (etiology, physiopathology); DIABETIC NEPHROPATHIES (etiology); DIABETIC NEUROPATHIES (etiology); DIABETIC RETINOPATHY (etiology); HEMOSTASIS; HORMONES (biosynthesis); HUMAN; MICROCIRCULATION; OXYGEN (blood); PERIPHERAL NERVE DISEASES (etiology); REVIEW; SKIN DISEASES (etiology).

Medina G

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Tacusch HW Jr *Jr J Pediatr* 87: 417-20, Sep 75 (Eng)

Medli FM

[TURNOVER OF NEUTRAL LIPIDS AND PHOSPHOLIPIDS IN RAT LIVER MITOCHONDRIA] Medli FM, Landriscina C, Quagliariello E *Boll Soc Ital Biol Sper* 50: 1324-8, 15 Sep 74 (Ita)

ANIMAL EXPERIMENTS; GLYCERIN (metabolism); INJECTIONS, INTRAPERITONEAL; LINOLEIC ACIDS (metabolism); LIPIDS (metabolism); MITOCHONDRIA, LIVER (metabolism); PHOSPHATES (metabolism); PHOSPHOLIPIDS (metabolism); POTASSIUM (metabolism); RATS.

Medrano GA

[PROTECTIVE EFFECT OF GLUCOSE-INSULIN-POTASSIUM SOLUTIONS IN MYOCARDIAL DAMAGE CAUSED BY EMETINE] de Micheli A, Medrano GA, Villarreal A, Sodi-Palares D *Arch Inst Cardiol Mex* 45: 469-86, Jul-Aug 75 (Spa)

Meeroff JC

PREVENTION BY GLUCAGON OF EXPERIMENTAL STRESS INDUCED HEMORRHAGIC GASTRITIS. Guth PH, Meeroff JC, Paulsen G, Isenberg JI *Gastroenterology* 69: 1048-50, Oct 75 (Eng)

Mehlman B

SIGNIFICANCE OF GASTRIC SECRETORY CHANGES IN THE PATHOGENESIS OF STRESS ULCERS. Hase T, Anderson PR, Mehlman B *Am J Dig Dis* 20: 443-9, May 75 (Eng)

Mehnert H

[SUGAR AND SUGAR SUBSTITUTES IN THE DIETETICS OF CARBOHYDRATE METABOLISM DISORDERS] Mehnert H, Dietze G, Haselbeck M *Nutr Metab* 18 suppl 1: 171-90, 1975 (Ger)

ANIMAL; BLOOD SUGAR (metabolism); CARBOHYDRATES (metabolism); DIABETES MELLITUS (metabolism); FRUCTOSE (metabolism, pharmacodynamics, blood); GLUCOSE (pharmacodynamics); HUMAN; INSULIN (blood); INTESTINE, SMALL (metabolism); LACTATES (blood); LIVER (metabolism); PYRUVATES (blood); RATS; SORBITOL (metabolism, blood, pharmacodynamics); STIMULATION, CHEMICAL; SUGAR ALCOHOLS (metabolism); XYLITOL (metabolism, blood, pharmacodynamics).

Meier P

STATISTICS AND MEDICAL EXPERIMENTATION. Meier P *Biometrics* 31: 511-29, Jun 75 (Eng)

AGED; AORTOCORONARY BYPASS; BREAST NEOPLASMS (surgery); CLINICAL RESEARCH; DIABETES MELLITUS (drug therapy); ETHICS, MEDICAL; FEMALE; FOLLOW-UP STUDIES; HUMAN; INSULIN (therapeutic use); MALE; MIDDLE AGE; PLACEBOS; POLIOMYELITIS; POLIOVIRUS VACCINE; RESEARCH DESIGN; STATISTICS; THYROID NEOPLASMS (prevention & control); THYROXINE (therapeutic use); TOLBUTAMIDE (therapeutic use).

Meigs RA

MITOCHONDRIA FROM HUMAN TERM PLACENTA. I. ISOLATION AND ASSAY CONDITIONS FOR OXIDATIVE PHOSPHORYLATION. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 426-35, 20 Mar 75 (Eng)

MITOCHONDRIA FROM HUMAN TERM PLACENTA. II. CHARACTERIZATION OF RESPIRATORY PATHWAYS AND COUPLING MECHANISMS. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 436-45, 20 Mar 75 (Eng)

Mejean L

[COMPARISON OF BLOOD SUGAR MEASURED BY HOFFMANS, GLUCOSE OXIDASE AND DEXTROSTIX TECHNIQUES DURING THE ORAL GLUCOSE TOLERANCE TEST] Gay G, Mejean L, Debry G *Pathol Biol (Paris)* 23: 623-8, Oct 75 (Fre)

Melandri AB

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATASE (antagonists & inhibitors); ENERGY TRANSFER; ETHYLMALIMIDE (pharmacodynamics); HYDRAZONES (pharmacodynamics); LIGHT; MEMBRANES (metabolism, drug effects); NITRILES

(pharmacodynamics); PHOSPHATES, INORGANIC (pharmacodynamics); PHOTOPHOSPHORYLATION (drug effects); RHODOSPIRILLUM (metabolism, drug effects).

Melandri BA

ENERGY TRANSDUCTION IN PHOTOSYNTHETIC BACTERIA. VII. INHIBITION OF THE COUPLING ATPASE BY N-ETHYLMALIMIDE RELATED TO THE ENERGIZED STATE OF THE MEMBRANE. Melandri AB, Fabbri E, Firstater E, Melandri BA *Biochim Biophys Acta* 376: 72-81, 31 Jan 75 (Eng)

Mellor DJ

EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST TWO MONTHS OF PREGNANCY. Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)

ALLANTOIS; ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CATHETERIZATION (veterinary); ENVIRONMENTAL EXPOSURE; FEMALE; FETAL MEMBRANES; FETUS (metabolism); POTASSIUM (metabolism); PREGNANCY; PREGNANCY, ANIMAL; SHEEP (blood, physiology); TEMPERATURE; TIME FACTORS.

Mende S

[JUVENILE SPONGY DYSTROPHY OF CNS WITH NECROSIS OF THE MEDULLA. A COMPLICATION OF HYDROXYQUINOLINE THERAPY (AUTHORS TRANSL)] Azubike JC, Gullotta F, Kallfelz HC, Gellissen K, Mende S, Exss R *Neuropediatrics* 6: 292-306, Aug 75 (Ger)

Mendelson WB

SLEEP-RELATED GROWTH HORMONE SECRETION AND MORNING NAPS. Othmer E, Mendelson WB, Levine WR, Malarkey WB, Daughaday WH *Steroids Lipids Res* 5: 380-6, 1974 (Eng)

Merry J

PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)

Mertz DP

[FREQUENCY AND DISTRIBUTION OF TYPES OF HYPERLIPOPROTEINEMIA WITH LIFE-SHORTENING RISK FACTORS AMONG AMBULANT PATIENTS (AUTHORS TRANSL)] Mertz DP, Hohnbeck A *Med Klin* 70: 1209-13, 11 Jul 75 (Ger)

CHOLESTEROL (blood); DIABETES MELLITUS (complications); ENGLISH ABSTRACT; FEMALE; GERMANY, WEST; GOUT (complications); HUMAN; HYPERLIPIDEMIA (classification, complications, occurrence, blood); HYPERTENSION (complications); HYPERTENSION, RENAL (complications); KIDNEY DISEASES (complications); LIFE EXPECTANCY; LIPOPROTEINS, LDL (blood); LIVER DISEASES (complications); MALE; NEOPLASMS (complications); OBESITY (complications); TRIGLYCERIDES (blood); URIC ACID (blood).

Messerich J

[THERAPY OF CORONARY HEART DISEASE USING CORNELIAN-DIGOTAB. RESULTS OF A DOUBLE BLIND STUDY] Messerich J *Fortschr Med* 92: 1367-71, 21 Nov 74 (Ger)

AMINOTRANSFERASES (blood); AZEPINES (therapeutic use, pharmacodynamics); BENZOATES (therapeutic use, pharmacodynamics); BILIRUBIN (blood);

BLOOD PRESSURE (drug effects); BLOOD SEDIMENTATION; BLOOD SUGAR; CHOLESTEROL (blood); CORONARY CIRCULATION (drug effects); CORONARY DISEASE (drug therapy, blood, enzymology); DIGOXIN (therapeutic use, pharmacodynamics); DRUG COMBINATIONS; DRUG EVALUATION; DRUG TOLERANCE; HEART RATE (drug effects); HUMAN; LACTATE DEHYDROGENASE (blood); VASODILATOR AGENTS (therapeutic use, pharmacodynamics).

Mestyan J

HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltesz G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)

ALANINE (blood); AMINO ACIDS (blood); BIRTH WEIGHT; FEMALE; GESTATIONAL AGE; GLUCONEOGENESIS; GLYCINE (blood); HUMAN; HYPOGLYCEMIA (metabolism); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (metabolism); MATERNAL-FETAL EXCHANGE; NUTRITION DISORDERS (metabolism); PREGNANCY; PROLINE (blood); VALINE (blood).

Metzger RP

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

ALCOHOL OXIDOREDUCTASES (metabolism); ANIMAL; CATTLE; CHROMATOGRAPHY, ION EXCHANGE; DIABETES MELLITUS (urine, chemically induced, blood); GLYCOLATES (urine); LACTATES (urine, blood); LIVER (enzymology); MALE; OXALATES (urine); RATS; SPECIES SPECIFICITY; STREPTOZOTOCIN; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Meunier JC

REGULATORY BEHAVIOR OF MONOMERIC ENZYMES. 2. A WHEAT-GERM HEXOKINASE AS A MNEMONICAL ENZYME. Meunier JC, Buc J, Navarro A, Ricard J *Eur J Biochem* 49: 209-23, 1 Nov 74 (Eng)

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); BINDING SITES; COMPARATIVE STUDY; GEL FILTRATION; GLUCOSE (metabolism); GLUCOSEPHOSPHATES (metabolism); HEXOKINASE (metabolism); KINETICS; MAGNESIUM (metabolism); MATHEMATICS; MODELS, CHEMICAL; MOLECULAR WEIGHT; PLANTS (enzymology); PROTEIN CONFORMATION; SACCHAROMYCES CEREVISIAE (enzymology); WHEAT (enzymology).

Meyer P

[MEMBRANE-BOUND HORMONE RECEPTORS. PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS] Chevillotte E, Devynck MA, Meyer P, Rouzaire-Dubois B *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]

Meyuhas O

GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhas O, Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

Michael R

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN

PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasnowski I, Wulfert P, Michael R, Knospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

Michalkiewicz M

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)

[IMMUNOREACTIVE INSULIN IN CHILDREN FOLLOWING ORAL ADMINISTRATION OF CAFFEINE] Walczak M, Michalkiewicz M, Piontek E *Pediatr Pol* 50: 1119-23, Sep 75 (Pol)

Middleton CC

ATHEROSCLEROSIS IN FAMILIAL LINES OF PIGEONS FED EXOGENOUS CHOLESTEROL. Patton NM, Brown RV, Middleton CC *Atherosclerosis* 21: 147-54, Mar-Apr 75 (Eng)

Mikkelsen B

CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)

Miko I

EXPERIMENTAL PANCREAS TRANSPLANTATION. Bornemisz G, Furka I, Gyurko G, Szentkereszty B, Miko I *Acta Chir Acad Sci Hung* 15: 343-52, 1974 (Eng)

Miller-Sosnkowska M

ROLE OF CARBOHYDRATE IN THE LIGHT OF THEIR METABOLISM] Miller-Sosnkowska M *Postepy Hig Med Dosw* 29: 537-53, Jul-Aug 75 (Pol)

CARBOHYDRATES (metabolism); CORONARY DISEASE (metabolism); DIABETES MELLITUS (metabolism); DIETARY CARBOHYDRATES (metabolism); HUMAN; INTESTINAL ABSORPTION; LIVER (metabolism); OBESITY (metabolism); TRIGLYCERIDES (biosynthesis).

Millard JB

MEDICAL ASPECTS OF REHABILITATION. Millard JB *Physiotherapy* 60: 368-9, Dec 74 (Eng)

CEREBROVASCULAR DISORDERS (complications); CONFUSION (complications); DIABETES MELLITUS (complications); HEMIPLEGIA (rehabilitation, complications); HUMAN; HYPERTENSION (complications); PHYSICAL THERAPY; PROGNOSIS; SPEECH DISORDERS (complications).

Miller DM

ASYMMETRY IN HUMAN ERYTHROCYTE SUGAR TRANSPORT. Miller DM *J Biol Chem* 250: 3637-8, 25 May 75 (Eng)

BIOLOGICAL TRANSPORT; BIOLOGICAL TRANSPORT, ACTIVE; BLOOD SUGAR (metabolism); ERYTHROCYTES (metabolism); HUMAN; KINETICS; MATHEMATICS; MODELS, BIOLOGICAL; TEMPERATURE; TIME FACTORS.

Miller DS

RESISTANCE TO SLIMMING: ADAPTATION OR ILLUSION Miller DS, Parsonage S *Lancet* 1: 773-5, 5 Apr 75 (Eng)

ADAPTATION, PHYSIOLOGICAL; ADIPOSE TISSUE (pathology); ADULT; AGED; BASAL METABOLISM; BIOPSY; BODY HEIGHT; BODY WEIGHT; DIET, REDUCING; ENERGY METABOLISM; EXERTION; FEMALE; HUMAN; LIPIDS (metabolism); MIDDLE AGE; OBESITY (metabolism, pathology); REST; SKINFOLD THICKNESS; TIME FACTORS.

Diabetes Literature—Author Index

Miller KW

Miller KW

THE EFFECT OF PRESSURE AND THE VOLUME OF ACTIVATION ON THE MONOVALENT CATION AND GLUCOSE PERMEABILITIES OF LIPOSOMES OF VARYING COMPOSITION. Johnson SM, Miller KW *Biochim Biophys Acta* 375: 286-91, 28 Jan 75 (Eng)

Minkovich BM

[DIABETIC FETO- AND EMBRYOPATHIES] Gulkevich IuV, Minkovich BM *Arkiv Patol* 37: 3-13, 1975 (Rus)

Minna JD

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS. Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG *Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

Mirouze J

STUDY OF RENAL FUNCTIONS BY REPEATED CONSTANT INFUSION OF RADIOTRACERS BEFORE AND AFTER INITIATION OF THERAPY IN HYPERTENSION OR IN DIABETES MELLITUS. Mirouze J, Monnier L, Olivier C *Pathol Biol (Paris)* 23: 599-603, Oct 75 (Eng)

ADRENERGIC ALPHA RECEPTOR BLOCKADERS (therapeutic use); ANTIHYPERTENSIVE AGENTS (therapeutic use); CLONIDINE (therapeutic use); COMPARATIVE STUDY; DIABETES MELLITUS (drug therapy); DIAZOXIDE (therapeutic use); HUMAN; HYPERTENSION (drug therapy); INSULIN (therapeutic use); INULIN (diagnostic use); IODINE ISOTOPES, DIAGNOSTIC; IODOHIPPUREIC ACID (diagnostic use); IOTHALAMIC ACID (diagnostic use); KIDNEY FUNCTION TESTS; KIDNEY GLOMERULUS (physiopathology); KIDNEY (blood supply, physiopathology).

Mishev P

[THE CLINICAL PICTURE AND PATHOGENESIS OF HYPOGLYCEMIC HYPERSOMNOLENT STATES WITH PRESENTATION OF A SPECIAL CASE] Taneva I, Mishev P, Mitkov V *Khirurgia (Sofia)* 27: 429-30, 1974 (Bul)

Mishkin S

UPTAKE AND COMPARTMENTAL DISTRIBUTION OF FATTY ACID BY RAT SMALL INTESTINE IN VIVO. Mishkin S, Yalovsky M, Kessler JI *Am J Physiol* 228: 1409-14, May 75 (Eng)

ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CHENODEXOXYCHOLIC ACID (analogs & derivatives, metabolism); CHROMATOGRAPHY, THIN LAYER; ESTERS; FATTY ACIDS (metabolism); GLYCERIDES (metabolism); GLYCOCHOLIC ACID (analogs & derivatives); INTESTINAL ABSORPTION; INTESTINE, SMALL (metabolism); INULIN (metabolism); MALE; MICELLES, MODELS, BIOLOGICAL; OLEIC ACIDS (metabolism); PALMITIC ACIDS (metabolism); PERFUSION; RATS; SCINTILLATION COUNTERS; TAUROCHOLIC ACID (metabolism, analogs & derivatives); TRITIUM.

Mishra RK

A QUANTITATIVE APPROACH TO THE COMPARISON OF BIOMOLECULAR TOPOGRAPHIES. Sundaram K, Mahajan S, Mishra RK *Physiol Chem Phys* 6: 469-78, 1974 (Eng)

Misra M

[DIABETES MELLITUS AND ADDISONS DISEASE] Boda Z, Orosz L, Misra M, Szabo G, Gergely P, Kulcsar A *Orv Hetil* 116: 2249-50, 21 Sep 75 (Hun)

Mitkov V

[THE CLINICAL PICTURE AND PATHOGENESIS OF HYPOGLYCEMIC HYPERSOMNOLENT STATES WITH PRESENTATION OF A SPECIAL CASE] Taneva I, Mishev P, Mitkov V *Khirurgia (Sofia)* 27: 429-30, 1974 (Bul)

Mitsuhashi O

RELATION BETWEEN INSULIN AND GLUCOSE FLUX RATES IN THE DOG. Mitsuhashi O, Schucher R, Kalant N *J Lab Clin Med* 86: 683-9, Oct 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); DOGS (blood); GLUCOSE (diagnostic use); INDICATOR DILUTION TECHNIQUES; INSULIN (blood, metabolism).

Mittal KK

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-CONTAINING MACROMOLECULES. Springer GF, Mittal KK, Terasaki PI, Desai PR, McIntire FC, Hirata AA *Z Immunitaetsforsch* 145: 166-75, May 75 (Eng)

Mitzkat HJ

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geithovell V, Niedgerker U, Morgner KD, Wilms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

Miwa R

PROCEEDINGS: CUTANEOUS MICROCIRCULATION AND INSULIN SHOCK. Asano M, Okubo C, Ogawa S, Miwa R *J Physiol Soc Jpn* 36: 382, 1 Sep 74 (Eng)

Miyazawa M

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

Mizuta W

[SELECTION OF THE ANALYTICAL METHODS OF BLOOD GLUCOSE IN INFANTS (AUTHORS TRANSL)] Mizuta W, Fukuda K, Kumada I, Fujimoto T *Jpn J Clin Pathol* 22: 778-80, Nov 74 (Jpn)

BLOOD SUGAR (analysis); HUMAN; INFANT; METHODS.

Moberg S

CLINICAL, SECRETORY AND MOTOR EFFECTS OF SELECTIVE PROXIMAL VAGOTOMY. A THREE-YEAR FOLLOW-UP. Moberg S, Hedenstedt S *Acta Chir Scand* 141: 203-7, 1975 (Eng)

ADOLESCENCE; ADULT; AGED; ANEMIA; COMPARATIVE STUDY; DUMPING SYNDROME; DUODENAL ULCER (surgery); FEMALE; FOLLOW-UP STUDIES; GASTRIC JUICE (secretion); GASTROINTESTINAL MOTILITY; HUMAN; INSULIN (diagnostic use); MALE; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; PYLORUS (surgery); PYRAZOLES (diagnostic use); TRANSFERRIN; VAGOTOMY.

Moisan A

[VALUES OF GLUCOSE, POTASSIUM AND INORGANIC PHOSPHATE AS METABOLIC INDICATORS OF MYOCARDIAL ISCHEMIA IN HUMANS] Dagenais GR, Marquis Y, Moisan A *Arch Mal Coeur* 68: 169-77, Feb 75 (Fre)

Moller G

EFFECT OF POLYCLONAL B-CELL ACTIVATORS ON DNA SYNTHESIS IN FIBROBLASTS. Persson U, Moller G *Scand J Immunol* 4: 527-34, Sep 75 (Eng)

Monnier L

STUDY OF RENAL FUNCTIONS BY REPEATED CONSTANT INFUSION OF RADIOTRACERS BEFORE AND AFTER INITIATION OF THERAPY IN HYPERTENSION OR IN DIABETES MELLITUS. Mirouze J, Monnier L, Olivier C *Pathol Biol (Paris)* 23: 599-603, Oct 75 (Eng)

Montalbetti N

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C *Chronobiologia* 1: Apr-Jun 74 (Eng)

Montini M

[CONTROLLED APPLICATION OF CYNARIN IN THE TREATMENT OF HYPERLIPIDEMIC SYNDROME. OBSERVATIONS IN 60 CASES] Montini M, Levoni P, Ongaro A, Pagani G *Arzneim Forsch* 25: 1311-4, Aug 75 (Ger)

ADMINISTRATION, ORAL; ADOLESCENCE; ADULT; AGED; ATHEROSCLEROSIS (prevention & control); BODY WEIGHT; CHOLESTEROL (blood); CINNAMATES (therapeutic use); CLINICAL RESEARCH; CYNARIN (therapeutic use, pharmacodynamics, administration & dosage); DIABETES MELLITUS (prevention & control); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERLIPIDEMIA (drug therapy); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, LDL (blood); MALE; MIDDLE AGE; TIME FACTORS; TRIGLYCERIDES (blood).

Moore FD

GLYCEROL: MAJOR CONTRIBUTOR TO THE SHORT TERM PROTEIN SAVING EFFECT OF FAT EMULSIONS IN NORMAL MAN. Brennan MF, Fitzpatrick GF, Cohen KH, Moore FD *Ann Surg* 182: 386-94, Oct 75 (Eng)

Moore J

LETTER: CEREBRAL OEDEMA IN DIABETIC KETOACIDOSIS. Moore J *Br Med J* 3: 540, 30 Aug 75 (Eng)

ACIDOSIS, DIABETIC (complications); BICARBONATES (adverse effects); BRAIN EDEMA (etiology); FEMALE; HUMAN; HYDROGEN-ION CONCENTRATION; KETOSIS, DIABETIC (complications); MYOCARDIAL INFARCT (complications).

Morell J

NEW ORAL ANTIDIABETIC DRUGS. SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIPS. Francia E, Marin A, Verdejo F, Sanchez MS, Morell J *Bull Chim Farm* 114: 379-92, Jul 75 (Eng)

Morgner KD

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geithovell V, Niedgerker U, Morgner KD, Wilms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

Moriarty CM

BIOACTIVE AND IMMUNOACTIVE ACTH IN THE RAT PITUITARY: INFLUENCE OF STRESS AND ADRENALECTOMY. Moriarty CM, Moriarty GC *Endocrinology* 96: 1419-25, Jun 75 (Eng)

ADRENAL GLANDS (physiology); ADRENALECTOMY; ANIMAL

Diabetes Literature—Author Index

Munemura M

EXPERIMENTS; CORTICOTROPIN (physiology, analysis, immunology); ETHER, ETHYL (pharmacodynamics); MALE; PITUITARY GLAND (physiology, physiology, drug effects); PITUITARY GLAND, ANTERIOR (physiology); RADIOIMMUNOASSAY; RATS; STRESS (physiopathology); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Moriarty GC

BIOACTIVE AND IMMUNOACTIVE ACTH IN THE RAT PITUITARY: INFLUENCE OF STRESS AND ADRENALECTOMY. Moriarty CM, Moriarty GC *Endocrinology* 96: 1419-25, Jun 75 (Eng)

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

ADRENAL GLANDS (physiology); ADRENALECTOMY; ANIMAL EXPERIMENTS; CHROMATIN (ultrastructure); CORTICOTROPIN (immunology, physiology); HISTOCYTOCHEMISTRY; HYDROCORTISONE (pharmacodynamics); MALE; MICROSCOPY, ELECTRON; PITUITARY GLAND (physiopathology, ultrastructure, drug effects); RADIOIMMUNOASSAY; RATS; STRESS (physiopathology); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Moriarty M

THE EFFECT OF STRESS ON THE CYTOLOGY AND IMMUNOCYTOCHEMISTRY OF PARS INTERMEDIA CELLS IN THE RAT PITUITARY. Moriarty GC, Halmi NS, Moriarty M *Endocrinology* 96: 1426-36, Jun 75 (Eng)

Morozova Elia

EFFECT OF THE MICROBIAL POLYSACCHARIDE, PROTEISANE, ON CERTAIN CARBOHYDRATES METABOLIC INDICES. Morozova Elia, Efimtseva EP, Berman AL *Antibiotiki* 19: 1009-11, Nov 74 (Rus)

AMYLASE (metabolism); ANALYSIS OF VARIANCE; ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); COLORIMETRY; DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; ENGLISH ABSTRACT; ENZYME ACTIVATION (drug effects); ENZYME REPRESSION (drug effects); FEMALE; GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN (analysis); INJECTIONS, INTRAPERITONEAL; LACTATES (analysis); LIVER GLYCOGEN (analysis); MALE; MICE; MUSCLES (analysis); MYOCARDIUM (analysis); POLYSACCHARIDES, BACTERIAL (pharmacodynamics); PROTEUS VULGARIS (metabolism); STIMULATION, CHEMICAL; TIME FACTORS.

Morris DL

THE PREPARATION OF SEVERAL NEW NYLON TUBE-GLUCOSE OXIDASE DERIVATIVES AND THEIR INCORPORATION INTO THE REAGENTLESS AUTOMATED ANALYSIS OF GLUCOSE. Campbell J, Hornby WE, Morris DL *Biochim Biophys Acta* 384: 307-16, 19 Apr 75 (Eng)

Mosin VI

[CARBOHYDRATE METABOLISM IN LIVER DISEASES] Mosin VI *Klin Med (Mosk)* 52: Feb 74 (Rus) [112]

BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); DIABETES MELLITUS (etiology); FATTY ACIDS, NONESTERIFIED (metabolism);

GLUCAGON (metabolism); GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HEPATITIS (metabolism); HUMAN; HYPERGLYCEMIA (etiology); INSULIN RESISTANCE; INSULIN (secretion); LIVER CIRRHOSIS (metabolism); LIVER DISEASES (metabolism, diagnosis); LIVER (metabolism); PANCREATITIS (complications); REVIEW; SOMATOTROPIN (physiology, secretion); TOLBUTAMIDE (diagnostic use).

Mosley ST

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Lee RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

Moss DW

ALKALINE PHOSPHATASE ISOENZYMES. TECHNICAL AND CLINICAL ASPECTS. Moss DW *Enzyme* 20: 20-34, 1975 (Eng)

ALKALINE PHOSPHATASE (blood); ALLELES; DRUG STABILITY; EDTA (pharmacodynamics); ELECTROPHORESIS, POLYACRYLAMIDE GEL; FEMALE; HEAT; HUMAN; HYDROGEN-ION CONCENTRATION; INTESTINES (enzymology); ISOENZYMES (blood); KINETICS; ORGAN SPECIFICITY; PLACENTA (enzymology); PREGNANCY; UREA (pharmacodynamics).

Most AS

FAILURE OF FREE FATTY ACIDS TO INFLUENCE DEGREE OF MYOCARDIAL INJURY FOLLOWING ACUTE CORONARY ARTERY OCCLUSION IN PIGS. Most AS, Capone RJ, Szydluk P, Bruno CA, DeVona TS *Cardiology* 59: 201-12, 1974 (Eng)

ACUTE DISEASE; ANIMAL EXPERIMENTS; BLOOD PRESSURE (drug effects); CORONARY DISEASE (blood, complications); FATTY ACIDS, NONESTERIFIED (blood); HEART RATE (drug effects); ISOPROTERENOL (pharmacodynamics); LIPIDS (pharmacodynamics); MYOCARDIAL INFARCT (blood, etiology); STIMULATION, CHEMICAL; SWINE.

Motto GS

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannis E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOTHYROID STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

Motulsky AG

EVIDENCE FOR DIABETES MELLITUS AND GENETIC FORMS OF HYPERTRIGLYCERIDEMIA AS INDEPENDENT ENTITIES. Brunzell JD, Hazzard WR, Motulsky AG, Bierman EL *Metabolism* 24: 1115-21, Oct 75 (Eng)

Movsowitz F

A YEARS EXPERIENCE IN A CLINIC FOR OBSE DIABETICS. Jackson WP, Movsowitz F, Goldblatt R *S Afr Med J* 49: 1598-600, 13 Sep 75 (Eng)

Mowat AP

FAILURE OF LABORATORY AND RADIOLOGICAL STUDIES TO PREDICT JEJUNAL MUCOSAL ATROPHY. Sanderson MC, Davis LR, Mowat AP *Arch Dis Child* 50: 526-31, Jul 75 (Eng)

Moynihan JB

GLUCOSE UTILIZATION BY THE AVIAN SHELL GLAND. Moynihan JB, Edwards NA *Biochem Soc Trans* 3: 191-3, 1975 (Eng)

ANIMAL EXPERIMENTS; CHICKENS; EGG SHELL; EXOCRINE GLANDS (metabolism); FEMALE; GLUCOSE (metabolism); GLYCOGEN (metabolism); LACTATES (metabolism); OVIDUCTS (metabolism); OVIPOSITION; TIME FACTORS.

Muck BR

[COMA DIABETICUM AND INTRAUTERINE FETAL DEATH. THERAPEUTIC CONSIDERATIONS ON HAND OF A CLINICAL CASE (AUTHORS TRANSL.)] Muck BR *Geburtshilfe Frauenheilkd* 35: 717-20, Sep 75 (Ger)

CASE REPORT; DIABETES MELLITUS (diagnosis); DIABETIC COMA (complications, drug therapy); ENGLISH ABSTRACT; FEMALE; FETAL DEATH; GESTATIONAL AGE; HUMAN; MASS SCREENING; PREGNANCY IN DIABETES (complications, drug therapy, diagnosis); PREGNANCY.

Mueller RL

EPINEPHRINE-INDUCED HYPERGLYCEMIA AND GLYCOGENOLYSIS IN FED AND FASTED NEONATAL SWINE. Stanton HC, Mueller RL *Biol Neonate* 25: 307-19, 1974 (Eng)

Mukai M

[RESULTS OF CONTROL SURVEY FOR BLOOD GLUCOSE DETERMINATION AND ITS EVALUATION (AUTHORS TRANSL.)] Baba S, Kameno E, Mukai M, Tomita J, Tabata K *Jpn J Clin Pathol* 22: 751-5, Nov 74 (Jpn)

Mukherjee BB

GROWTH DEPENDENT 2-DEOXY-D-GLUCOSE UPTAKE IN TRANSFORMED AND NORMAL MOUSE CELLS. Martin-De Leon PA, Mukherjee BB *Can J Genet Cytol* 16: 823-30, Dec 74 (Eng)

Mukherjee SK

A NEW METHOD FOR THE PRODUCTION OF EXPERIMENTAL DIABETES IN RABBITS. Pakrashi A, Mukherjee SK *J Endocrinol* 66: 147-50, Aug 75 (Eng)

Mulhern S

MUTAROTASE (ALDOSE 1-EPIMERASE) FROM KIDNEY CORTEX. Bailey JF, Fishman PH, Kusiak JW, Mulhern S, Pentchev PG *Methods Enzymol* 41: 471-84, 1975 (Eng)

Muller EE

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Liuzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

Muller-Hess R

THE INSULIN:GLUCAGON RATIO AND THE SECRETION OF GROWTH HORMONE AFTER INTRAVENOUS ADMINISTRATION OF AMINO ACIDS AND CARBOHYDRATES IN HEALTHY SUBJECTS. Gesser CA, Muller-Hess R, Felber JP *Infusionstherapie* 1: 483-9, Aug 74 (Eng)

Munemura M

DEMONSTRATION OF C-PEPTIDE IMMUNOREACTIVITY IN VARIOUS BODY FLUIDS AND CLINICAL EVALUATION OF THE DETERMINATION OF URINARY C-PEPTIDE IMMUNOREACTIVITY. Kaneko T, Munemura M, Oka H, Oda T, Suzuki S *Endocrinol Jpn* 22: 207-12, Jun 75 (Eng)

MUNOZ J

Munoz J

DELAYED HYPERSENSITIVITY IN NORMAL AND ALEUTIAN DISEASE-AFFECTED MINK. Munoz J, Lodmell DL, Race RE, Jackson TA, Hadlow WJ *Z Immunitaetsforsch* 147: 53-60, May 74 (Eng)

ALEUTIAN MINK DISEASE (immunology); **ANIMAL; ANTIBODIES** (analysis); **ANTIBODY FORMATION; CATTLE** (immunology); **CELL MIGRATION INHIBITION; HEMOCYANIN; HYPERSENSITIVITY, DELAYED** (immunology); **INSULIN; MINK; MYCOBACTERIUM BOVIS** (immunology); **OVALBUMIN; SKIN TESTS; SPECIES SPECIFICITY; TUBERCULIN.**

Munro DD

CLOBETASONE BUTYRATE, A NEW TOPICAL CORTICOSTEROID: CLINICAL ACTIVITY AND EFFECTS ON PITUITARY-ADRENAL AXIS FUNCTION AND MODEL OF EPIDERMAL ATROPHY. Munro DD, Wilson L *Br Med J* 3: 626-8, 13 Sep 75 (Eng)

ADMINISTRATION, TOPICAL; ANIMAL; BETAMETHASONE (analogs & derivatives, therapeutic use, pharmacodynamics, administration & dosage); **COMPARATIVE STUDY; COSYNTROPIN** (diagnostic use); **ECZEMA** (drug therapy); **FLUCORTOLONE** (therapeutic use); **HUMAN; INSULIN** (diagnostic use); **PITUITARY-ADRENAL FUNCTION TESTS; PITUITARY-ADRENAL SYSTEM** (drug effects); **PSORIASIS** (drug therapy); **SKIN** (drug effects); **SWINE.**

Murakami G

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

ANIMAL; DIABETES MELLITUS (enzymology, chemically induced); **GLUCOSEPHOSPHATE DEHYDROGENASE** (metabolism); **HEXOKINASE** (metabolism); **HYDROCORTISONE** (pharmacodynamics); **INSULIN** (pharmacodynamics); **LACTATE DEHYDROGENASE** (metabolism); **RATS; STREPTOZOTOCIN.**

Murer H

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-955, 1975 (Eng)

Murty GS

EFFECTS OF L-THYROXINE ON THE INTER-MEDIARY METABOLISM OF THE SPOTTED MUNIA, LONCHURA PUNCTULATA. Thapliyal JP, Garg RK, Murty GS, Gupta SC *Gen Comp Endocrinol* 25: 31-5, Jan 75 (Eng)

Myers RE

EFFECTS OF HYPOTENSION ON RHESUS MONKEYS. Gamache FW Jr, Myers RE *Arch Neurol* 32: 374-80, Jun 75 (Eng)

Mytilineou C

PREVENTION OF 6-HYDROXYDOPAMINE NEUROTOXICITY. Cohen G, Allis B, Winston B, Mytilineou C, Heikkila R *Eur J Pharmacol* 33: 217-21, Aug 75 (Eng)

Nadeau RA

ROLES OF THE AV JUNCTION IN DETERMINING THE VENTRICULAR RESPONSE TO ATRIAL FIBRILLATION. Billete J, Roberge

Diabetes Literature—Author Index

FA, Nadeau RA *Can J Physiol Pharmacol* 53: 575-85, Aug 75 (Eng)

Nader HL

NEUTRAL AMINO ACID TRANSPORT IN CULTIVATED HUMAN SKIN FIBROBLASTS (38521). Booth CW, Nader HL *Proc Soc Exp Biol Med* 148: 277-82, Jan 75 (Eng)

Nagata Y

EFFECT OF GLUCOSE AND ITS ANALOGUES ON THE ACCUMULATION AND RELEASE OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN A MEMBRANE FRACTION OF ESCHERICHIA COLI: RELATION TO BETA-GALACTOSIDASE SYNTHESIS. Seto H, Nagata Y, Maruo B *J Bacteriol* 122: 669-75, May 75 (Eng)

Naithani VK

STUDIES ON POLYPEPTIDES, VI. SYNTHESIS, CIRCULAR DICHROISM AND IMMUNOLOGICAL STUDIES OF TYROSYL C-PEPTIDE OF HUMAN PROINSULIN. Naithani VK, Dechesne M, Markussen J, Hedding LG, Larsen UD *Hoppe Seyler Z Physiol Chem* 356: 1305-12, Aug 75 (Eng)

AMINO ACID SEQUENCE; CIRCULAR DICHROISM; HUMAN; METHODS; PEPTIDE FRAGMENTS (chemical synthesis, immunology); **PROINSULIN** (chemical synthesis, immunology); **PROTEIN CONFORMATION; TYROSINE.**

A CONVENIENT ESTERIFICATION OF INSULIN WITH BORON TRIFLUORIDE/METHANOL. Gattner HG, Schmitt EW, Naithani VK *Hoppe Seyler Z Physiol Chem* 356: 1465-7, Sep 75 (Eng)

Najarian JS

LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS *Ann Intern Med* 83: 519-20, Oct 75 (Eng)

Nakov D

[THE MECHANISM OF THE FAVORABLE EFFECT OF INSULIN ON STRIATE MUSCULATURE FOLLOWING REMOVAL OF PLASTER CASTS] Rusev G, Radev S, Nakov D, Dzirkolova T *Ekip Med Morfol* 11: 96-101, 1972 (Bul)

Napoli E

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS. Belfiore F, Rabuazzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

Narahara R

PROCEEDINGS: EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

Naseem SM

EFFECT OF INSULIN ON METABOLISM OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE BY PLASMA CELL TUMOR (MPC-11). Naseem SM, Hollander VP *Endocr Res Commun* 2: 251-9, 1975 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); **ADENOSINE MONOPHOSPHATE** (metabolism); **ADENOSINE** (metabolism); **BIOLOGICAL TRANSPORT, ACTIVE; CELL LINE; DIBUTYRYL CYCLIC AMP** (metabolism); **INSULIN** (pharmacodynamics); **KINETICS;**

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Navarro A

REGULATORY BEHAVIOR OF MONOMERIC ENZYMES. 2. A WHEAT-GERM HEXOKINASE AS A MNEMONICAL ENZYME. Meunier JC, Buc J, Navarro A, Ricard J *Eur J Biochem* 49: 209-23, 1 Nov 74 (Eng)

Nelson HS

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPHEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetze B, Spaulding H, Summers R, Wood D *J Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (urine); **ANALYSIS OF VARIANCE; ASTHMA** (immunology); **BLOOD SUGAR** (analysis); **BRONCHI** (drug effects); **CLINICAL RESEARCH; ELECTROCARDIOGRAPHY; EOSINOPHILS; EPHEDRINE** (pharmacodynamics); **EPINEPHRINE** (pharmacodynamics); **EXERCISE TEST; FATTY ACIDS, NONESTERIFIED** (analysis); **FORCED EXPIRATORY VOLUME; HEART RATE** (drug effects); **HUMAN; LACTATES** (blood); **LEUKOCYTE COUNT; MALE.**

Nelson PG

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Batchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

ALLELES; CHILD; DIABETES MELLITUS (immunology, familial & genetic); **DIABETES MELLITUS, JUVENILE** (immunology, familial & genetic); **DISEASES IN TWINS; HISTOCOMPATIBILITY ANTIGENS** (isolation & purification); **HL-A** (isolation & purification); **HUMAN; MIDDLE AGE; TWINS, MONOZYGOTIC.**

Nepokroeff CM

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-COA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroeff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

Netsky MG

CLOSED HEAD INJURY COMPLICATED BY NONKETOTIC HYPERGLYCEMIC HYPEROSMOLAR COMA. Park BE, Hester RW, Netsky MG *Surg Neurol* 4: 330-2, Sep 75 (Eng)

Nevalainen TJ

USE OF PHAST CONTRAST MICROSCOPY OF SEMITHIN EPOXY SECTIONS IN HISTOCHEMISTRY. Nevalainen TJ *Beitr Pathol* 156: 80-4, Sep 75 (Eng)

ACID PHOSPHATASE; ANIMAL; EPITHELIAL CELLS (analysis); **EPOXY COMPOUNDS; HISTOCYTOCHEMISTRY; HUMAN; ISLANDS OF LANGERHANS** (cytology); **MICROSCOPY, PHASE CONTRAST** (methods); **PEROXIDASES; RATS; STAINS AND STAINING; STOMACH** (cytology).

Nicol SE

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS. Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuehl FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

Niedergerke U

[ANDROGEN STATUS OF MALE DIABETICS. TENDENCY OF MALE DIABETICS. FOLLOW-UP STUDY WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geistthovel W, Niedergerke U, Morgner KD, Willms B, Mitzkat J *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

Niessen KH

[HEREDITARY DEFICIENCY OF ISOMALTASE AND SACCHARASE RESPONSIBLE FOR A MALABSORPTION SYNDROME (AUTHORS TRANSL)] Niessen KH, Bruggmann G, Schmidt K *Klin Paediatr* 187: 163-70, Mar 75 (Ger)
ADOLESCENCE; AUTOSOMAL ABNORMALITIES; BLOOD SUGAR (analysis); DEFICIENCY DISEASES (complications, congenital); DIARRHEA, INFANTILE (etiology); DISACCHARIDES (analysis); DUODENUM (enzymology); DWARFISM (diet therapy); ENGLISH ABSTRACT; FEMALE; GLUCOSIDASES (deficiency); HUMAN; INFANT; INTESTINAL MUCOSA (enzymology, analysis); LACTOSE INTOLERANCE; MALABSORPTION SYNDROMES (etiology); MALE; MALTOSE; SUCRASE (deficiency, therapeutic use); SUCROSE (diagnostic use); TREHALASE (analysis); XYLOSE (diagnostic use).

Niethammer D

[GRANULOCYTE DYSFUNCTION. PART II. SECONDARY DEFECTS. (AUTHORS TRANSL)] Niethammer D, Wildfeuer A, Kleihauer E, Haferkamp O *Klin Wochenschr* 53: 739-46, 15 Aug 75 (Ger)
ANIMAL; ARTHRITIS, RHEUMATOID (blood); BACTERIAL INFECTIONS (blood); BURNS (blood); CHEMOTAXIS; CHILD; DIABETES MELLITUS (blood); DRUG THERAPY (adverse effects); ENGLISH ABSTRACT; GRANULOCYTES (pathology, radiation effects, physiology); GUINEA PIGS; HEMATOLOGIC DISEASES (blood, etiology); HUMAN; KIDNEY DISEASES (blood); LEUKEMIA (blood); LEUKOCYTES; NUTRITION DISORDERS (blood); PHAGOCYTOSIS (radiation effects); RADIATION EFFECTS.

Niki A

LETTER: IS DIABETES MELLITUS A DISORDER OF THE GLUCORECEPTOR Niki A, Niki H *Lancet* 2: 658, 4 Oct 75 (Eng)
DIABETES MELLITUS (etiology); GLUCOSE (metabolism); HUMAN; INSULIN (secretion); ISLANDS OF LANGERHANS (physiology); RECEPTORS, DRUG; STIMULATION, CHEMICAL.

Niki H

LETTER: IS DIABETES MELLITUS A DISORDER OF THE GLUCORECEPTOR Niki A, Niki H *Lancet* 2: 658, 4 Oct 75 (Eng)

Nikkila EA

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)
ADULT; ALCOHOL, ETHYL (pharmacodynamics, administration & dosage); BLOOD SUGAR (metabolism); DIABETES MELLITUS (metabolism); DIET; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; HYPOGLYCEMIA (chemically induced); INSULIN (secretion, blood); ISLANDS OF LANGERHANS (secretion, drug effects); OBESITY IN DIABETES (metabolism); OBESITY (metabolism); TIME FACTORS.

Nilius R

THE INABILITY OF THE INHIBITOR OF GLUCOSE UTILIZATION ISOLATED FROM THE SERUM OF URAEMIC SUBJECTS TO INHIBIT LEUCOCYTE MIGRATION. Nilius R, Otto L, Dzurik R *Int Urol Nephrol* 6: 33-4, 1974 (Eng)
CELL MIGRATION INHIBITION; GLUCOSE (metabolism, antagonists & inhibitors); HUMAN; LEUKOCYTES (drug effects, immunology); UREMIA (blood).

Nilsson IM

ON FIBRINOLYSIS IN DIABETES MELLITUS. Almer LO, Nilsson IM *Acta Med Scand* 198: 101-6, Jul-Aug 75 (Eng)
PHENFORMIN AND ETHYLESTRENOL IN RECURRENT VENOUS THROMBOSIS. Nilsson IM, Hedner U, Isacson S *Acta Med Scand* 198: 107-13, Jul-Aug 75 (Eng)
ADOLESCENCE; ADULT; AGED; DRUG THERAPY, COMBINATION; ETHYLESTRENOL (therapeutic use); FEMALE; FIBRINOGEN (metabolism); FIBRINOLYSIS; HUMAN; MACROGLOBULINS (metabolism); MALE; MIDDLE AGE; PHENFORMIN (therapeutic use); PLASMINOGEN ACTIVATORS (metabolism); PLATELET ADHESIVENESS; RECURRENCE; THROMBOPHLEBITIS (drug therapy); TIME FACTORS.

Nilsson LH

FACTORS INFLUENCING CARBOHYDRATE METABOLISM IN MAN. Hultman E, Nilsson LH *Nutr Metab* 18 suppl 1: 45-64, 1975 (Eng)

Ninomiya Y

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Ninomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

Nissen C

ALCOHOLIC HYPERLIPIDEMIA. Stahelin HB, Nissen C, Sommer P, Widmer LK *Int J Vitam Nutr Res* 44: 507-20, 1974 (Eng)

Nissen D

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEP SIN. II. PREPARATION AND PROPERTIES OF CAMEL DES-PENTAPEPTIDE (B26-30)- AND DES-PHEBI-DESPENTAPEPTIDE (B26-30)- INSULIN. Danho WO, Gattner HG, Nissen D, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1405-12, Sep 75 (Eng)

Nistal M

[INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA] Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sanmartin P, Acosta M, Cerdan Vallejo A *Rev Clin Esp* 138: 425-32, 15 Sep 75 (Spa)

Nolan S

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

Noriega Guerra L

[MANAGEMENT OF PREGNANT DIABETIC PATIENT WITH HIGH RISK PREGNANCY] Arevalo Toledo N, Jimenez Fonseca J, Gonzalez y Gonzalez L, Chavez Hernandez F, Alvarez de la Cadena O, Noriega Guerra L *Ginecol Obstet Mex* 37: 311-21, Jun 75 (Spa)

Norris MG

DUPUYTREN'S CONTRACTURE. I-CHEMICAL PATHOLOGY. Hunter JA, Ogdon C, Norris MG *Br J Plast Surg* 28: 10-8, Jan 75 (Eng)

Northrop AJ

THE ABSORPTION OF GLUCOSE FROM THE GUT AND THE AMOUNT REMOVED BY THE LIVER IN YOUNG PIGS. Anderson DM, Northrop AJ *Proc Nutr Soc* 33: 91a, Dec 74 (Eng)

Nubile G

[CLINICAL CORRELATION BETWEEN THE ENDOCRINE SYSTEM AND THE CARDIOVASCULAR SYSTEM. BETA-ADRENERGIC BLOCK IN ACUTE MYOCARDIAL INFARCT] Palma G, Nubile G *Boll Soc Ital Biol Sper* 50: 1433-9, 30 Sep 74 (Ita)

Nunez E

[USE OF TOLBUTAMIDE IN DIABETES AND PREGNANCY] Villanueva Gasca A, Maria Garcia L, Lopez Villegas J, Nunez E *Ginecol Obstet Mex* 38: 133-7, Aug 75 (Spa)

Nusgens B

BIOCHEMICAL STUDIES OF THE GLOMERULAR BASEMENT MEMBRANE IN THE DISEASED KIDNEY. Mahieu P, Winand RJ, Nusgens B *Adv Nephrol* 2: 25-34, 1972 (Eng) [29]

Oara H

[STUDIES ON RADIOIMMUNOASSAY OF PEPTIDE HORMONE USING POLYETHYLENEGLYCOL. PART I. INSULIN (AUTHORS TRANSL)] Kihara A, Kikuchi A, Yacagashi T, Oara H *Jpn J Clin Pathol* 23: 449-52, Jun 75 (Jpn)

Obraztsov VV

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDATION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS] Kozlov luP, Glushchenko NN, Obraztsov VV, Orlov SN, Kagan VE *Biofizika* 18: 1031-6, Nov-Dec 73 (Rus)

Oda T

DEMONSTRATION OF C-PEPTIDE IMMUNOREACTIVITY IN VARIOUS BODY FLUIDS AND CLINICAL EVALUATION OF THE DETERMINATION OF URINARY C-PEPTIDE IMMUNOREACTIVITY. Kaneko T, Munemura M, Oka H, Oda T, Suzuki S *Endocrinol Jpn* 22: 207-12, Jun 75 (Eng)

Ogawa S

PROCEEDINGS: CUTANEOUS MICROCIRCULATION AND INSULIN SHOCK. Asano M, Okubo C, Ogawa S, Miwa R *J Physiol Soc Jpn* 36: 382, 1 Sep 74 (Eng)

Ogdon C

DUPUYTREN'S CONTRACTURE. I-CHEMICAL PATHOLOGY. Hunter JA, Ogdon C, Norris MG *Br J Plast Surg* 28: 10-8, Jan 75 (Eng)

Ogneva V

[THE EFFECT OF RASTINON ON THE BETA CELLS OF THE RAT AND GUINEA PIG PANCREAS] Ogneva V *Eksp Med Morfol* 12: 92-7, 1973 (Bul)
ANIMAL; ENGLISH ABSTRACT; GUINEA PIGS; ISLANDS OF LANGERHANS (drug effects, cytology, ultrastructure); MICROSCOPY, ELECTRON; RATS; TOLBUTAMIDE (pharmacodynamics).

Oh W

STUDIES IN CALCIUM METABOLISM IN INFANTS WITH INTRAUTERINE GROWTH RETARDATION. Tsang RC, Gigger M, Oh W, Brown DR *J Pediatr* 86: 936-41, Jun 75 (Eng)

Diabetes Literature—Author Index

Oka H

Oka H

DEMONSTRATION OF C-PEPTIDE IMMUNOREACTIVITY IN VARIOUS BODY FLUIDS AND CLINICAL EVALUATION OF THE DETERMINATION OF URINARY C-PEPTIDE IMMUNOREACTIVITY. Kaneko T, Munemura M, Oka H, Oda T, Suzuki S *Endocrinol Jpn* 22: 207-12, Jun 75 (Eng)

Oka T

CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN. Topper YJ, Vonderhaar BK, Wilchek M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)

Okubo C

PROCEEDINGS: CUTANEOUS MICROCIRCULATION AND INSULIN SHOCK. Asano M, Okubo C, Ogawa S, Miwa R *J Physiol Soc Jpn* 36: 382, 1 Sep 74 (Eng)

Olesen J

METHODS FOR MEASUREMENT OF THE CEREBRAL BLOOD FLOW. Olesen J *Acta Neurol Scand [Suppl]* 50: 1-134, 1974 (Eng) [79]

ADULT; AGE FACTORS; ANIMAL EXPERIMENTS; BLOOD FLOW VELOCITY; BLOOD PRESSURE; BLOOD SUGAR (metabolism); BLOOD; BRAIN DISEASES (physiopathology); BRAIN (physiology); CARBON DIOXIDE (blood); CEREBRAL ANGIOGRAPHY; CEREBRAL ARTERIES (drug effects, physiopathology); CEREBROVASCULAR CIRCULATION (drug effects); DOGS; HUMAN; HYDROGEN-ION CONCENTRATION; INFANT, NEWBORN; INTRACRANIAL PRESSURE; MALE; METHODS; MONKEYS; OXYGEN (blood); PARTIAL PRESSURE; POTASSIUM (pharmacodynamics); REVIEW; STIMULATION, CHEMICAL.

Olgaard K

PLASMA ALDOSTERONE IN ANEPHRIC AND NON-NEPHRECTOMIZED DIALYSIS PATIENTS IN RELATION TO CHANGES IN PLASMA POTASSIUM WITHOUT CHANGE IN TOTAL POTASSIUM BALANCE. Olgaard K *Acta Med Scand* 198: 213-8, Sep 75 (Eng)

ADULT; ALDOSTERONE (blood); COMPARATIVE STUDY; DEPRESSION, CHEMICAL; FEMALE; GLUCOSE (pharmacodynamics); HEMODIALYSIS; HUMAN; HYDROCORTISONE (blood); INSULIN (pharmacodynamics); KIDNEY (physiopathology); MALE; NEPHRECTOMY; POTASSIUM (blood); STIMULATION, CHEMICAL; TIME FACTORS.

Olivera AA

MITOCHONDRIA FROM HUMAN TERM PLACENTA. I. ISOLATION AND ASSAY CONDITIONS FOR OXIDATIVE PHOSPHORYLATION. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 426-35, 20 Mar 75 (Eng)

ADENOSINE DIPHOSPHATE; ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; CELL FRACTIONATION; DINITROPHENOLS (pharmacodynamics); FEMALE; FLUORIDES (pharmacodynamics); MAGNESIUM (pharmacodynamics); MITOCHONDRIA (metabolism, ultrastructure); OXIDATIVE PHOSPHORYLATION; OXYGEN CONSUMPTION; PHOSPHATES, INORGANIC (metabolism); PHOSPHODIESTERASES (metabolism); PLACENTA (metabolism); PREGNANCY; ULTRACENTRIFUGATION.

MITOCHONDRIA FROM HUMAN TERM PLACENTA. II. CHARACTERIZATION OF RESPIRATORY PATHWAYS AND COUPLING MECHANISMS. Olivera AA, Meigs RA *Biochim Biophys Acta* 376: 436-45, 20 Mar 75 (Eng)

ANTIMYCIN A (pharmacodynamics); CYANIDES (pharmacodynamics);

DINITROPHENOLS (pharmacodynamics); ELECTRON TRANSPORT; FEMALE; GLUTAMATES (metabolism); GRAMICIDINS (pharmacodynamics); HUMAN; MITOCHONDRIA (metabolism, drug effects); OLIGOMYCIN (pharmacodynamics); OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION (drug effects); PLACENTA (metabolism); PREGNANCY; ROTENONE (pharmacodynamics); SUCCINATES (metabolism).

Oliver C

STUDY OF RENAL FUNCTIONS BY REPEATED CONSTANT INFUSION OF RADIOTRACERS BEFORE AND AFTER INITIATION OF THERAPY IN HYPERTENSION OR IN DIABETES MELLITUS. Mirooue J, Monnier L, Olivier C *Pathol Biol (Paris)* 23: 599-603, Oct 75 (Eng)

Olkenitzky MN

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

Olsen RW

FILAMENTOUS PROTEIN MODEL FOR CYCLIC AMP-MEDIATED CELL REGULATORY MECHANISMS. Olsen RW *J Theor Biol* 49: 263-87, Feb 75 (Eng) [141]

ADENOSINE CYCLIC 3,5-MONOPHOSPHATE (physiology); CELL DIFFERENTIATION; CELL MEMBRANE PERMEABILITY; CELLS (metabolism); MODELS, BIOLOGICAL; MOLECULAR CONFORMATION; PLATELET AGGREGATION; PROTEINS (metabolism, biosynthesis); REVIEW; RNA (biosynthesis); TUBULIN (metabolism).

Olsen TS

DIAGNOSIS AND TREATMENT OF PANCREATIC BETA-CELL TUMOR. Skjoldborg H, Olsen TS, Lundbaek K, Madsen B *Surg Annu* 7: 219-39, 1975 (Eng) [43]

Olsson AG

STUDIES IN ASYMPTOMATIC PRIMARY HYPERLIPIDAEMIA. IV. ECG AT REST AND DURING EXERCISE AND ITS RELATION TO VARIOUS LIPOPROTEIN CLASSES. Olsson AG, Ekelund LG, Carlson LA *Acta Med Scand* 198: 55-73, Jul-Aug 75 (Eng)

ADULT; AGED; ARRHYTHMIA (diagnosis); BLOOD PRESSURE; CHOLESTEROL (blood); ELECTROCARDIOGRAPHY; EXERCISE TEST; FASTING; FEMALE; GLUCOSE TOLERANCE TEST; HEART RATE; HUMAN; HYPERLIPIDEMIA (physiopathology); LIPOPROTEINS (blood); LIPOPROTEINS, HDL (blood); LIPOPROTEINS, LDL (blood); LIPOPROTEINS, VLDL (blood); MALE; MIDDLE AGE; REGRESSION ANALYSIS; SEX FACTORS; SMOKING; TRIGLYCERIDES (blood).

Oneda A

DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

ADULT; AGED; ARGININE (diagnostic use); CHILD; COMPARATIVE STUDY; EVALUATION STUDIES; FEMALE; GLUCAGON (diagnostic use, administration & dosage); GLUCOSE TOLERANCE TEST; HUMAN; INJECTIONS, INTRAVENOUS; ISLET CELL TUMOR (diagnosis); MIDDLE AGE; PANCREATIC NEOPLASMS (diagnosis); TOLBUTAMIDE (diagnostic use).

O'Neill JJ

EFFECT OF DIABETES ON GOLD THIOGLUCOSE LESIONS IN RATS. Kellar KJ, Sterling GH, O'Neill JJ *Proc West Pharmacol Soc* 18: 380-3, 1975 (Eng)

Ongaro A

[CONTROLLED APPLICATION OF CYNARIN IN THE TREATMENT OF HYPERLIPIDEMIC SYNDROME. OBSERVATIONS IN 60 CASES] Montini M, Levoni P, Ongaro A, Pagani G *Arzneim Forsch* 25: 1311-4, Aug 75 (Ger)

Ono K

THE LOCALIZATION OF ALKALINE PHOSPHATASE ACTIVITY IN THE RAT SMALL INTESTINAL EPITHELIUM AFTER FAT AND PROTEIN FEEDING. Ono K *Acta Histochem (Jena)* 51: 124-37, 1974 (Eng)

ALKALINE PHOSPHATASE (analysis, antagonists & inhibitors); ANIMAL EXPERIMENTS; CELL MEMBRANE (enzymology); COMPARATIVE STUDY; DIETARY FATS; DIETARY PROTEINS; DUODENUM (enzymology); EDTA (pharmacodynamics); EPITHELIUM (enzymology); FASTING; GOLGI APPARATUS (enzymology); HISTOCYTOCHEMISTRY; ILEUM (enzymology); INTESTINE, SMALL (enzymology, ultrastructure); JEJUNUM (enzymology); MALE; MICROSCOPY, ELECTRON; RATS.

Ono T

IN VIVO LIPOLYTIC EFFECT OF GLUCAGON IN WARM-ADAPTED AND COLD-ADAPTED RATS. Kuroshima A, Doi K, Kurahashi M, Ono T *Jpn J Physiol* 25: 275-85, 1975 (Eng)

Opitz K

[THE CALORIGENIC EFFECT OF GLUCAGON] Krimphove M, Opitz K *Arch Int Pharmacodyn Ther* 216: 328-50, Aug 75 (Ger)

Oppizzi G

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Luzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

Orci L

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLOCATION AND EXTRUSION OF BETA GRANULES. Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

RELEASE OF GROWTH HORMONE FROM OX PITUITARY SLICES AFTER PRONASE TREATMENT. Schofield JG, Orci L *J Cell Biol* 65: 223-7, Apr 75 (Eng)

Orlandi F

[DYSLIPIDEMIAS AND HORMONES] Orlandi F, Serra D *Minerva Med* 66: 3381-7, 3 Oct 75 (Ita)

ADRENAL CORTX HORMONES (physiology); CATECHOLAMINES (physiology); CHOLESTEROL (blood); CORTICOTROPIN (physiology); FATTY ACIDS (blood); HORMONES (physiology); HUMAN; INSULIN (physiology); LIPIDS (blood); METABOLIC DISEASES; PITUITARY HORMONES (physiology); THYROID HORMONES (physiology); TRIGLYCERIDES (blood).

Orlov SN

[FREE RADICAL OXIDATION OF BIOLOGICAL MEMBRANE LIPIDS. I. AUTO-OXIDA-

- TION OF HIGHER UNSATURATED FATTY ACIDS IN VARIOUS CONDITIONS** Kozlov IuP, Glushchenko NN, Obratsov VV, Orlov SN, Kagan VE *Biofizika* 18: 1031-6, Nov-Dec 73 (Rus)
- Orosz L**
[DIABETES MELLITUS AND ADDISON'S DISEASE] Boda Z, Orosz L, Misz M, Szabo G, Gergely P, Kulcsar A *Orv Hetil* 116: 2249-50, 21 Sep 75 (Hun)
- Orsetti A**
[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)
- Orth DN**
GENERAL CONSIDERATIONS FOR RADIOIMMUNOASSAY OF PEPTIDE HORMONES. Orth DN *Methods Enzymol* 37 pt b: 22-38, 1975 (Eng)
- AMINO ACID SEQUENCE; AMINO ACIDS (analysis); CORTICOTROPIN (analysis); CROSS REACTIONS; DOSE-RESPONSE RELATIONSHIP; DRUG; HORMONES (analysis); HUMAN; MATHEMATICS; METHODS; PEPTIDES (analysis); RADIOIMMUNOASSAY; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..
- Osawa N**
[SYMPOSIUM: MONKEYS AS HUMAN MODELS. 1. ENDOCRINE AND METABOLIC STUDIES] Osawa N *Exp Anim (Tokyo)* 23: 271-2, Oct 74 (Jpn)
- ANIMAL EXPERIMENTS; ENDOCRINE GLANDS (physiology); FEMALE; MACACA (physiology, metabolism); MALE; MODELS, BIOLOGICAL; SPECIES SPECIFICITY.
- Osman OH**
GLYCEMIC EFFECT OF VENOM FROM THE SCORPION BUTHUS MINAX (L. KOCH). el-Asmar M, Soliman SF, Ismail M, Osman OH *Toxicol* 12: 249-51, May 74 (Eng)
- PHARMACOLOGICAL STUDIES OF SNAKE (BITIS ARIETANS) VENOM. Osman OH, Gumaa KA *Toxicol* 12: 569-75, Dec 74 (Eng)
- ANIMAL EXPERIMENTS; BLOOD PRESSURE (drug effects); BLOOD SUGAR; CAPILLARY PERMEABILITY (drug effects); CATS; FEMALE; GUINEA PIGS; HEART (drug effects); IN VITRO; MALE; MUSCLE, SMOOTH (drug effects); POTASSIUM (blood); RABBITS; SNAKE VENOMS (pharmacodynamics); SODIUM (blood); VENOMS (pharmacodynamics).
- Osterhoudt HW**
A DIALYSIS APPARATUS FOR MEASURING PERMEATION RATES THROUGH POLYMER FILMS. Little CM, Osterhoudt HW *Ion Exch Membr* 1: 75-80, Dec 72 (Eng)
- Oswald I**
PLASMA GROWTH HORMONE AND SLOW WAVE SLEEP INCREASE AFTER INTERRUPTION OF SHEEP. Beck U, Brezinova V, Hunter WM, Oswald I *J Clin Endocrinol Metab* 40: 812-5, May 75 (Eng)
- Othmer E**
SLEEP-RELATED GROWTH HORMONE SECRETION AND MORNING NAPS. Othmer E, Mendelson WB, Levine WR, Malarkey WB, Daughaday WH *Steroids Lipids Res* 5: 380-6, 1974 (Eng)
- ADULT; CIRCADIAN RHYTHM; HUMAN; MALE; SLEEP STAGES; SLEEP; SOMATOTROPIN (secretion); WAKEFULNESS.
- Otto L**
THE INABILITY OF THE INHIBITOR OF GLUCOSE UTILIZATION ISOLATED FROM THE SERUM OF URAEMIC SUBJECTS TO INHIBIT LEUCOCYTE MIGRATION. Nilius R, Otto L, Dzurik R *Int Urol Nephrol* 6: 33-4, 1974 (Eng)
- Otto M**
A MATHEMATICAL MODEL FOR THE INFLUENCE OF FRUCTOSE 6-PHOSPHATE, ATP, POTASSIUM, AMMONIUM AND MAGNESIUM ON THE PHOSPHOFRUCTOKINASE FROM RAT ERYTHROCYTES; Otto M, Heinrich R, KUHN B, Jacobasch G *Eur J Biochem* 49: 169-78, 1 Nov 74 (Eng)
- ADENOSINE TRIPHOSPHATE (metabolism); ALLOSTERIC REGULATION; AMMONIUM COMPOUNDS (pharmacodynamics); BINDING SITES; BINDING, COMPETITIVE; ENZYME ACTIVATION; ERYTHROCYTES (enzymology); FRUCTOSEPHOSPHATES (metabolism); LIGANDS; MAGNESIUM (pharmacodynamics); MODELS, CHEMICAL; PHOSPHOFRUCTOKINASE (metabolism, antagonists & inhibitors); POTASSIUM (pharmacodynamics); RATS.
- Pagani G**
[CONTROLLED APPLICATION OF CYNARIN IN THE TREATMENT OF HYPERLIPEMIC SYNDROME. OBSERVATIONS IN 60 CASES] Montini M, Levoni P, Ongaro A, Pagani G *Arzneim Forsch* 25: 1311-4, Aug 75 (Ger)
- Pagliari AS**
IODOACETATE AND IODOACETAMIDE-INDUCED ALTERATIONS OF PANCREATIC ALPHA- AND BETA-CELL RESPONSES. Pagliari AS, Hover BA, Ellerman J, Matschinsky FM *Endocrinology* 97: 698-708, Sep 75 (Eng)
- AMINO ACIDS (pharmacodynamics); ANIMAL; COMPARATIVE STUDY; DOSE-RESPONSE RELATIONSHIP; DRUG; GLUCAGON (metabolism); GLUCOSE (pharmacodynamics); GLYCOLYSIS (drug effects); INSULIN (metabolism); IODOACETAMIDE (pharmacodynamics); IODOACETATES (pharmacodynamics); MALE; PANCREAS (drug effects, metabolism); RATS; RECEPTORS, DRUG (drug effects); STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..
- Pais M**
[CHANGES IN PLASMA LIPIDS IN DIABETES MELLITUS] Avogaro P, Capri C, Cazzolato G, Pais M *Minerva Med* 66: 3388-96, 3 Oct 75 (Ita)
- Pakrashi A**
A NEW METHOD FOR THE PRODUCTION OF EXPERIMENTAL DIABETES IN RABBITS. Pakrashi A, Mukherjee SK *J Endocrinol* 66: 147-50, Aug 75 (Eng)
- ADMINISTRATION, ORAL; ANIMAL; CHLORPROPAMIDE (pharmacodynamics); DIABETES MELLITUS (chemically induced); DISEASE MODELS, ANIMAL; DRUG SYNERGISM; FEMALE; HYDROCHLOROTHIAZIDE (pharmacodynamics, administration & dosage, antagonists & inhibitors); INSULIN (administration & dosage); INSULIN, PROTAMINE ZINC (administration & dosage); ISLANDS OF LANGERHANS (drug effects); MALE; RABBITS.
- Palma G**
[CLINICAL CORRELATION BETWEEN THE ENDOCRINE SYSTEM AND THE CARDIOVASCULAR SYSTEM. BETA-ADRENERGIC BLOCK IN ACUTE MYOCARDIAL INFARCT] Palma G, Nubile G *Boll Soc Ital Biol Sper* 50: 1433-9, 30 Sep 74 (Ita)
- ACUTE DISEASE; ADENINE NUCLEOTIDES (metabolism); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADRENERGIC BETA RECEPTOR BLOCKADERS (therapeutic use); AUTONOMIC NERVOUS SYSTEM (physiopathology, drug effects); CARDIOVASCULAR SYSTEM (physiopathology, drug effects); CATECHOLAMINES (metabolism); ENDOCRINE GLANDS (physiopathology, drug effects); HORMONES (metabolism); HUMAN; MYOCARDIAL INFARCT (drug therapy, physiopathology); MYOCARDIUM (metabolism); OXYGEN CONSUMPTION; VASOMOTOR SYSTEM (physiopathology, drug effects).
- Palmer JP**
FAREWELL TO PHENFORMIN FOR TREATING DIABETES MELLITUS. Williams RH, Palmer JP *Ann Intern Med* 83: 567-8, Oct 75 (Eng)
- Palmer TN**
THE METABOLIC ROLE OF DEBRANCHING ENZYMES. Palmer TN, Wober G *Biochem Soc Trans* 3: 53-6, 1975 (Eng)
- AMYLASE (metabolism); AMYLOPECTIN; GLUCOSIDASES (metabolism); GLYCOGEN (metabolism); GLYCOSIDE HYDROLASES (metabolism); ISOAMYLASE (metabolism); MALTOSE; OLIGOSACCHARIDES; PLANTS (enzymology); PULLULANASE (metabolism); STARCH.
- Paluszak W**
[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)
- Pandey GN**
GROWTH HORMONE CATECHOLAMINES IN AFFECTIVE DISEASE. Garver DL, Pandey GN, Dekirmenjian H, Deleon-Jones F *Am J Psychiatry* 132: 1149-54, Nov 75 (Eng)
- Panecka A**
[SURGERY AND DIABETES MELLITUS (AUTHORS TRANSL.)] Litwin M, Panecka A, Smigelska H *Ann Univ Mariae Curie Skłodowska [Med]* 29: 255-62, 1974 (Pol)
- Panfirov VV**
[THE PHYSICAL DEVELOPMENT OF NEWBORN INFANTS AND THE FREE AMINO ACID NITROGEN CONCENTRATION IN THE BLOOD OF MOTHER AND FETUS AND IN PLACENTAL HOMOGENATES] Panfirov VV *Pediatr Akush Ginekol* 43-6, Mar-Apr 75 (Ukr)
- AMINO ACIDS (analysis, blood); FEMALE; FETUS (physiology); GROWTH; HUMAN; INFANT, NEWBORN; MATERNAL-FETAL EXCHANGE; PLACENTA (analysis); PREGNANCY; UMBILICAL ARTERIES; UMBILICAL VEINS.
- Papa S**
ON THE MECHANISM OF TRANSLOCATION OF PYRUVATE AND OTHER MONOCARBOXYLIC ACIDS IN RAT-LIVER MITOCHONDRIA. Papa S, Paradis G *Eur J Biochem* 49: 265-74, 1 Nov 74 (Eng)
- ACETATES (metabolism); ACETOACETATES (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; HYDROGEN-ION CONCENTRATION; IN VITRO; MALEIMIDES (pharmacodynamics); MEMBRANES (metabolism); MERSALYL (pharmacodynamics); MITOCHONDRIA, LIVER (metabolism); PROTONS; PYRUVATES (metabolism); RATS.
- Papagiannes E**
INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannes E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

Papahadjopoulos D

Papahadjopoulos D

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

Papenberg J

[PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS] Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)

Papo J

MALIGNANT METASTATIC INSULINOMA TREATED WITH STREPTOZOTOCIN. Gefel A, Flatau E, Ayalon D, Papo J, Loewenthal M *Clin Endocrinol (Oxf)* 4: 461-8, Sep 75 (Eng)

Pappas PW

MEMBRANE TRANSPORT IN HELMINTH PARASITES: A REVIEW. Pappas PW *Exp Parasitol* 37: 469-530, Jun 75 (Eng) [134]
ACANTHOCEPHALA (metabolism); AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS; ASCARIS (metabolism); BIOLOGICAL TRANSPORT; CELL MEMBRANE (metabolism); CESTODA (metabolism); DIPHYLLOBOOTHRIUM (metabolism); DNA (biosynthesis); FASCIOLA HEPATICA (metabolism); FATTY ACIDS (metabolism); FEMALE: GLUCOSE (metabolism); GLYCERIN (metabolism); HELMINTHS (metabolism); HYMENOLEPIASIS (metabolism); MALE; METHIONINE (metabolism); NEMATODA (metabolism); PURINES (metabolism); PYRIMIDINES (metabolism); REVIEW; RNA, MESSENGER (biosynthesis); SCHISTOSOMA MANSONI (metabolism); TAENIA (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Paradies G

ON THE MECHANISM OF TRANSLOCATION OF PYRUVATE AND OTHER MONOCARBOXYLIC ACIDS IN RAT-LIVER MITOCHONDRIA. Papa S, Paradies G *Eur J Biochem* 49: 265-74, 1 Nov 74 (Eng)

Pargaonkar PS

LIPOPROTEIN-ACID-MUCOPOLYSACCHARIDE COMPLEXES OF HUMAN ATHEROSCLEROTIC LESIONS. Srinivasan SR, Radhakrishnamurthy B, Pargaonkar PS, Berenson GS, Dolan P *Biochim Biophys Acta* 388: 58-70, 18 Apr 75 (Eng)

Paris J

[GLUCOSE CONTENT OF GALLBLADDER BILE AND CHOLEDOCHAL BILE] Paris J, Gerard A, Salembier Y, Samso G *Tijdschr Gastroenterol* 17: 40-50, 1974 (Fre)
BILE (analysis, metabolism); COMMON BILE DUCT (metabolism); ENGLISH ABSTRACT; GALLBLADDER (metabolism); GLUCOSE (analysis); HUMAN.

Park BE

CLOSED HEAD INJURY COMPLICATED BY NONKETOTIC HYPERGLYCEMIC HYPEROSMOLAR COMA. Park BE, Hester RW, Netsky MG *Surg Neurol* 4: 330-2, Sep 75 (Eng)
ADULT; BRAIN (pathology); CASE REPORT; COMA (complications, pathology); ENCEPHALOCYCLE (complications, pathology); FEMALE; HEAD INJURIES (complications, pathology); HUMAN; HYPERGLYCEMIA (complications, pathology); OSMOLAR CONCENTRATION; SKULL FRACTURES (complications, pathology); SYNDROME.

Diabetes Literature—Author Index

Park CR

STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilks SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

Park S

REGULATION OF THYROID ORNITHINE ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN. I. THE RAT. Richman R, Park S, Akbar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)

Parrilla R

GLUCAGON AND INSULIN CONTROL OF GLUCONEOGENESIS IN THE PERFUSED ISOLATED RAT LIVER. EFFECTS ON CELLULAR METABOLITE DISTRIBUTION. Parrilla R, Jimenez I, Ayuso-Parrilla MS *Eur J Biochem* 56: 375-83, 15 Aug 75 (Eng)

ANIMAL; GLUCAGON (pharmacodynamics); GLUCONEOGENESIS (drug effects); IN VITRO; INSULIN (pharmacodynamics); KETONE BODIES (metabolism); KREBS CYCLE (drug effects); LACTATES (metabolism); LIVER (metabolism); MALE; OXIDATION-REDUCTION; PERFUSION; PYRUVATES (metabolism); RATS; UREA (metabolism).

Parry G

ENDOPLASMIC MEMBRANE AS A SOURCE AND A TARGET FOR CHEMICALLY REACTIVE METABOLIC INTERMEDIATES. Williams DJ, Parry G *Biochem Soc Trans* 3: 69-70, 1975 (Eng)

Parsonage S

RESISTANCE TO SLIMMING: ADAPTATION OR ILLUSION Miller DS, Parsonage S *Lancet* 1: 773-5, 5 Apr 75 (Eng)

Parsons DF

ELECTRON DIFFRACTION STUDY OF HYDRATED PHOSPHOLIPID SINGLE BILAYERS. EFFECTS OF TEMPERATURE HYDRATION AND SURFACE PRESSURE OF THE PRECURSOR MONOLAYER. Hui SW, Cowden M, Papahadjopoulos D, Parsons DF *Biochim Biophys Acta* 382: 265-75, 25 Mar 75 (Eng)

Parsons JA

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlanden SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

Parving HH

MICROVASCULAR PERMEABILITY TO PLASMA PROTEINS IN HYPERTENSION AND DIABETES MELLITUS IN MAN—ON THE PATHOGENESIS OF HYPERTENSIVE AND DIABETIC MICROANGIOPATHY. Parving HH *Dan Med Bull* 22: 217-33, Sep 75 (Eng)
ACUTE DISEASE; ADULT; ANIMAL; ANTIHYPERTENSIVE AGENTS (pharmacodynamics); BIOLOGICAL TRANSPORT; BLOOD PROTEINS (metabolism); CAPILLARY PERMEABILITY; CHILD; CHRONIC DISEASE; DIABETES MELLITUS (physiopathology); DIABETES MELLITUS, JUVENILE (physiopathology); DIABETIC ANGIOPATHIES (etiology); HUMAN; HYPERTENSION (physiopathology); INFANT, NEWBORN; PLASMA VOLUME; SERUM ALBUMIN (metabolism); SERUM ALBUMIN, RADIO-IODINATED (diagnostic use); VENOUS PRESSURE.

Pashov D

[CHRONIC ZINC-BACITRACIN TOXICITY IN CHICKENS] Simeonov S, Pashov D, Peinikova Ts, Dzhurov A *Vet Med Nauki* 12: 100-5, 1975 (Bul)

Patel AJ

EFFECT OF X-IRRADIATION OF THE BIOCHEMICAL MATURATION OF RAT CEREBELLUM: METABOLISM OF [14C]GLUCOSE AND [14C]ACETATE. Patel AJ, Balazs R *Radiat Res* 62: 456-69, Jun 75 (Eng)

ACETATES (metabolism); ANIMAL EXPERIMENTS; ASPARTIC ACID (metabolism); CARBON RADIOISOTOPES; CEREBELLUM (radiation effects, growth & development, metabolism); GLUCOSE (metabolism); GLUTAMINE (metabolism); GABA (metabolism); RADIATION EFFECTS; RATS; X-RAYS.

Patton NM

ATHEROSCLEROSIS IN FAMILIAL LINES OF PIGEONS FED EXOGENOUS CHOLESTEROL. Patton NM, Brown RV, Middleton CC *Atherosclerosis* 21: 147-54, Mar-Apr 75 (Eng)

ANIMAL EXPERIMENTS; AORTIC DISEASES (etiology, familial & genetic); ARTERIOSCLEROSIS (familial & genetic); ATHEROSCLEROSIS (etiology, familial & genetic); BREEDING; CHOLESTEROL (blood); CHOLESTEROL, DIETARY (administration & dosage); COMPARATIVE STUDY; CORONARY DISEASE (etiology, familial & genetic); DIET, ATHEROGENIC; FEMALE; HYPERCHOLESTEREMIA (complications, familial & genetic); MALE; PIGEONS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Paul P

GLUCOSE METABOLISM IN THYROIDECTOMIZED AND NORMAL DOGS DURING REST AND ACUTE COLD EXPOSURE. Paul P, Donohue M, Holmes WL *J Appl Physiol* 38: 236-40, Feb 75 (Eng)
ANIMAL EXPERIMENTS; BASAL METABOLISM; BLOOD SUGAR (metabolism); CARBON DIOXIDE (metabolism); COLD; COMPARATIVE STUDY; DOGS; ENERGY METABOLISM; OXYGEN CONSUMPTION; THYROID GLAND (physiology); THYROIDECTOMY; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Paulsen G

PREVENTION BY GLUCAGON OF EXPERIMENTAL STRESS INDUCED HEMORRHAGIC GASTRITIS. Guth PH, Meeroff JC, Paulsen G, Isenberg JJ *Gastroenterology* 69: 1048-50, Oct 75 (Eng)

Pavlov BA

[GLYCOGEN CONTENT OF THE LEUKOCYTES IN PATIENTS WITH DIABETES MELLITUS] Pavlov BA, Sokolova II *Klin Med (Mosk)* 52: 88-93, Mar 74 (Rus)
ADULT; AGED; DIABETES MELLITUS (blood); ENGLISH ABSTRACT; GLYCOGEN (blood); HUMAN; LEUKOCYTES (metabolism); MIDDLE AGE; NEUTROPHILS (metabolism).

Pavlov K

[THE EFFECT OF BIGUANIDE PREPARATIONS ON LIPID METABOLISM] Pavlov K *Vopr Boles* 13: 115-8, 1974 (Bul)
ANIMAL; BIGUANIDES (therapeutic use, pharmacodynamics); CHOLESTEROL (blood); DEPRESSION, CHEMICAL; DIABETES MELLITUS (drug therapy, blood, chemically induced); ENGLISH ABSTRACT; HUMAN; HYDROCORTISONE; LIPIDS (blood); RABBITS.

Pawan GL

EFFECT OF GLUCOSE ON FAT MOBILIZATION IN MAN. Pawan GL *Proc Nutr Soc* 33: 98a-99a, Dec 74 (Eng)

ADOLESCENCE; ADULT; AGE FACTORS; AGED; BODY COMPOSITION; BODY CONSTITUTION; HUMAN; LIPID MOBILIZATION; LIPIDS (metabolism, blood); MALE; MIDDLE AGE; SKINFOLD THICKNESS; URINE.

Pawluk W

PHARMACOLOGIC EFFECTS OF GASTROINTESTINAL HORMONES ON INTESTINAL OXYGEN CONSUMPTION AND BLOOD FLOW. Bowen JC, Pawluk W, Fang WF, Jacobson ED *Surgery* 78: 515-9, Oct 75 (Eng)

Pedersen J

HUMAN PLACENTAL LACTOGEN CONCENTRATION DURING PHYSIOLOGICAL FLUCTUATIONS OF SERUM GLUCOSE IN NORMAL PREGNANT AND GESTATIONAL DIABETIC WOMEN. Kuhl C, Gaede P, Klebe JG, Pedersen J *Acta Endocrinol (Kbh)* 80: 365-73, Oct 75 (Eng)

Peeters G

INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paeppe M, Marcus S, Peeters G *J Endocrinol* 66: 213-24, Aug 75 (Eng)

Peinikova Ts

[CHRONIC ZINC-BACITRACIN TOXICITY IN CHICKENS] Simeonov S, Pashov D, Peinikova Ts, Dzheurov A *Vet Med Nauki* 12: 100-5, 1975 (Bul)

Pelikan-Filipkova M

BODY FAT OF BRITISH AND DUTCH INFANTS. Widdowson EM, Dauncey MJ, Gairdner DM, Jonxis JH, Pelikan-Filipkova M *Br Med J* 1: 653-5, 22 Mar 75 (Eng)

Pelizzo MR

[EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT] Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

Pelkonen R

[KALLMANS SYNDROME--HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodecim* 91: 649-56, 1975 (Fin)

Pelletier G

LETTER: IMMUNOHISTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN THE RAT PANCREAS. Pelletier G, Leclerc R, Arimura A, Schally AV *J Histochem Cytochem* 23: 699-702, Sep 75 (Eng)

ANIMAL; ANTIGEN-ANTIBODY REACTIONS; HISTOCYTOCHEMISTRY; ISLANDS OF LANGERHANS (analysis, ultrastructure); MALE; METHODS; MICROSCOPY, ELECTRON; PANCREAS (analysis, ultrastructure); RATS; SOMATOTROPIN RELEASE INHIBITING HORMONE (analysis, immunology).

Penney DG

EFFECTS OF PROLONGED DIVING ANOXIA ON THE TURTLE, *PSEUDHEMUS SCRIPTA* ELEGANS. Penney DG *Comp Biochem Physiol* [A] 47: 933-41, 1 Mar 74 (Eng)

ADAPTATION, PHYSIOLOGICAL; ANIMAL EXPERIMENTS; ANOXIA (physiopathology); BLOOD SUGAR (metabolism); DEPRESSION, CHEMICAL; DIVING; FRESH WATER; GLYCOGEN (metabolism); HEART RATE; LACTATES (metabolism); LIVER GLYCOGEN

(metabolism); LIVER (metabolism); MYOCARDIUM (metabolism); SUCCINATES (metabolism); TIME FACTORS; TURTLES (physiology).

Pentchev PG

MUTAROTASE (ALDOSE 1-EPIMERASE) FROM KIDNEY CORTEX. Bailey JF, Fishman PH, Kusiak JW, Mulhern S, Pentchev PG *Methods Enzymol* 41: 471-84, 1975 (Eng)

Penttilä A

EFFECTS OF GLUCAGON AND INSULIN ON THE PANETH CELLS OF THE MOUSE DUODENUM. Ahonen A, Penttilä A *Experientia* 31: 1074-5, 15 SEP 75 (Eng)

Perez MC

[COMPARATIVE STUDY OF DIFFERENT ELECTROPHYSIOLOGICAL PARAMETERS IN THE DIABETIC PATIENT: VELOCITY OF SENSORY AND MOTOR CONDUCTION IN THE LOWER AND UPPER EXTREMITIES: H REFLEX; FACIAL NERVE LATENCY; REFLEX OF THE EYELID OCCLUSION AND CHANGES IN THE SENSITIVITY POTENTIAL EVOKED DURING 30 MINUTES OF ISCHEMIA] Cruz Martinez A, Perez MC, Gutierrez AM, Galdos L *Rev Clin Esp* 138: 445-52, 15 Sep 75 (Spa)

Perlemuter L

[ACTION OF PHENYTOIN ON GLYCOREGULATION] Hazard J, Perlemuter L *Nouv Presse Med* 4: 2263-5, 27 Sep 75 (Fre)

Perlman RL

STIMULATION OF SUGAR TRANSPORT IN RAT DIAPHRAGM BY 8-BROMOGUANOSINE 3, 5-MONOPHOSPHATE. Pinkett MO, Perlman RL *Biochim Biophys Acta* 399: 473-7, 13 Aug 75 (Eng)

Perrino PV

THE EFFECT OF FASTING ON TISSUE CYCLIC CAMP AND PLASMA GLUCAGON IN THE OBESE HYPERGLYCEMIC MOUSE. Lavine RL, Voyles N, Perrino PV, Recant L *Endocrinology* 97: 615-20, Sep 75 (Eng)

Persson B

CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Habte D, Persson B, Sterky G *Acta Paediatr Scand* 64: 267-72, Mar 75 (Eng)

Persson U

EFFECT OF POLYCLONAL B-CELL ACTIVATORS ON DNA SYNTHESIS IN FIBROBLASTS. Persson U, Moller G *Scand J Immunol* 4: 527-34, Sep 75 (Eng)

ANIMAL; B-LYMPHOCYTES (immunology); CLONE CELLS; DEPRESSION, CHEMICAL; DEXTRAN (pharmacodynamics); DNA (biosynthesis); ESCHERICHIA COLI; FIBROBLASTS (immunology, metabolism); INSULIN (pharmacodynamics); LIPOPOLYSACCHARIDES (pharmacodynamics); LYMPHOCYTE TRANSFORMATION (drug effects); MICE; PENTOSAN SULFURIC POLYESTER (pharmacodynamics); POLYSACCHARIDES, BACTERIAL (pharmacodynamics); POLYVINYLPYRROLIDONE (pharmacodynamics); STIMULATION, CHEMICAL.

Peterson RN

OXIDATIVE AND GLYCOLYTIC METABOLISM OF SEMEN COMPONENTS BY WASHED GUINEA PIG SPERMATOZOEA. Frenkel G, Peterson RN, Freund M *Fertil Steril* 26: 144-7, Feb 75 (Eng)

Petriello RP

BLOOD GLUCOSE, TOTAL SERUM CHOLESTEROL AND TOTAL BILIRUBIN LEVELS OF RATS FOLLOWING EXTRA-TESTINAL MIGRATION OF STRONGYLOIDES VENEZUELENSIS (BRUMPT, 1934). Petriello RP, Hardy SM *Comp Biochem Physiol* [B] 50: 537-40, 15 Apr 75 (Eng)

ANIMAL EXPERIMENTS; BILIRUBIN (blood); BLOOD SUGAR (metabolism); CHOLESTEROL (blood); HEART (parasitology); LIVER (parasitology); LUNG (parasitology); MALE; ORGAN SPECIFICITY; RATS (parasitology); STRONGYLOIDES; TIME FACTORS.

Pfuetze B

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetze B, Spaulding H, Summers R, Wood D *J Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

Phillip J

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

Phillips JG

CHANGES IN ORGAN WEIGHTS AND BLOOD PARAMETERS IN AGEING BRATTLEBORO RATS WITH HEREDITARY DIABETES INSIPIDUS. Barnett JL, Cheeseman P, Cheeseman J, Douglas JM, Phillips JG *Age Ageing* 3: 229-39, Nov 74 (Eng)

Phillips LS

MEASUREMENT OF SOMATOMEDIN BY CARTILAGE IN VITRO. Daughaday WH, Phillips LS, Herington AC *Methods Enzymol* 37 pt b: 93-109, 1975 (Eng)

Phillips RW

CHANGES IN PLASMA GLUCOSE AND LACTATE CONCENTRATIONS AND ENZYME ACTIVITIES IN THE NEONATAL CALF WITH DIARRHEA. Lewis LD, Phillips RW, Elliott CD *Am J Vet Res* 36: 413-6, Apr 75 (Eng)

Pilkis SJ

STIMULATION BY GLUCAGON OF THE INCORPORATION OF U-14C-LABELED SUBSTRATES INTO GLUCOSE BY ISOLATED HEPATOCYTES FROM FED RATS. Claus TH, Pilkis SJ, Park CR *Biochim Biophys Acta* 404: 110-23, 8 Sep 75 (Eng)

Pimstone BL

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Oikentitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

Pinkett MO

STIMULATION OF SUGAR TRANSPORT IN RAT DIAPHRAGM BY 8-BROMOGUANOSINE 3, 5-MONOPHOSPHATE. Pinkett MO, Perlman RL *Biochim Biophys Acta* 399: 473-7, 13 Aug 75 (Eng)

AMINOISOBUTYRIC ACID (metabolism); ANIMAL; BIOLOGICAL TRANSPORT; ACTIVE; DEOXY SUGARS (metabolism); DEOXYGLUCOSE (metabolism); DIAPHRAGM (metabolism, drug effects); GLUCOSE (metabolism); GLYCOGEN (biosynthesis); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (analogs & derivatives, pharmacodynamics);

Diabetes Literature—Author Index

Pinter EJ

INSULIN (pharmacodynamics); RATS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; XYLOSE (metabolism).

Pinter EJ

L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE. Pinter EJ, Tolis G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)
BLOOD SUGAR (analysis); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; FSH (blood); HUMAN; HYDROCORTISONE (blood); HYPOPIUITARISM (blood); INSULIN (blood); LEVODOPA (pharmacodynamics); LIPID MOBILIZATION (drug effects); LH (blood); MALE; OBESITY (blood); PROLACTIN (blood); SEX FACTORS; SOMATOTROPIN (blood); THINNESS.

Piontek E

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)

[IMMUNOREACTIVE INSULIN IN CHILDREN FOLLOWING ORAL ADMINISTRATION OF CAFFEINE] Walczak M, Michalkiewicz M, Piontek E *Pediatr Pol* 50: 1119-23, Sep 75 (Pol)

Pirola RC

ACUTE AND CHRONIC EFFECTS OF ETHANOL ON INTESTINAL LIPID METABOLISM. Baraona E, Pirola RC, Lieber CS *Biochim Biophys Acta* 388: 19-28, 18 Apr 75 (Eng)

Pitas RE

EFFECTS OF DIET AND TYPE IIA HYPERLIPOPROTEINEMIA UPON STRUCTURE OF TRIACYLGLYCEROLS AND PHOSPHATIDYL CHOLINES FROM HUMAN PLASMA LIPOPROTEINS. Gordon DT, Pitas RE, Jensen RG *Lipids* 10: 270-83, May 75 (Eng)

Pitkin RM

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Filer LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

Pitts RF

METABOLISM OF BLOOD GLUCOSE BY THE INTACT FUNCTIONING KIDNEY OF THE DOG. Pitts RF, MacLeod MB *Kidney Int* 7: 130-6, Mar 75 (Eng)

ACIDOSIS (metabolism, blood, urine); ALKALOSIS (metabolism, blood, urine); AMMONIA (urine); ANIMAL EXPERIMENTS; BLOOD SUGAR; BLOOD (metabolism); CARBON DIOXIDE (metabolism); DOGS; FEMALE; GLOMERULAR FILTRATION RATE; GLUCOSE (metabolism); KIDNEY (metabolism, blood supply); LACTATES (metabolism); MALE; REGIONAL BLOOD FLOW; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Piussan C

[CONGENITAL HYPERGLYCEMIA WITHOUT KETOSIS] Piussan C, Saudubray JM, Audebert M, Van Poperinghe M, Risbourg B *Pediatric* 30: 429-31, Jan 75 (Fre)
FEMALE; HUMAN; HYPERGLYCEMIA (congenital, familial & genetic, diagnosis); INFANT, NEWBORN; KETOSIS (etiology); MALE; PEDIGREE.

Plan GL

POTENTIATION OF THE HEPATOTOXIC RESPONSES TO CHEMICALS IN ALLOXAN-DIABETIC RATS. Hanasono GK, Witschi H, Plan GL *Proc Soc Exp Biol Med* 149: 903-7, Sep 75 (Eng)

Planten JT

PHYSIOLOGIC OPTIC APPROACH OF LENS AND CATARACT. Planten JT *Ophthalmologica* 171: 249-53, 1975 (Eng)
ACCOMMODATION, OCULAR; ADULT; AGED; CATARACT (physiopathology, complications); DIABETES MELLITUS (physiopathology, complications); FEMALE; HUMAN; LENS, CRYSTALLINE (physiopathology); MALE; MIDDLE AGE; REFRACTION, OCULAR; VISUAL ACUITY.

Podosin RL

DRUG INTERACTION: DIAZOXIDE AND DIPHENYLHYDANTOIN. Roe TF, Podosin RL, Blaskovics ME *J Pediatr* 87: 480-4, Sep 75 (Eng)

Pollock RA

NASAL MUCORMYCOSIS: EARLY DETECTION AND TREATMENT WITHOUT RADICAL SURGERY OR AMPHOTERICIN B. Pollock RA, Pratt RC, Shulman JA, Turner JS *South Med J* 68: 1279-82, Oct 75 (Eng)

ADULT; AMPICILLIN (therapeutic use); CASE REPORT; DIABETES MELLITUS (complications); FEMALE; HUMAN; IRRIGATION; MUCORMYCOSIS (therapy, complications, diagnosis); NOSE DISEASES (therapy, complications, diagnosis); SODIUM CHLORIDE.

Pomerantzeff O

VARIATION OF ENERGY DENSITY IN ARGON LASER PHOTOCOAGULATION. Pomerantzeff O, Schepens CL *Arch Ophthalmol* 93: 1033-5, Oct 75 (Eng)

ARGON; DIABETIC RETINOPATHY (surgery); HUMAN; LASER COAGULATION (methods, adverse effects); RETINAL DISEASES (surgery); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Ponikowska I

[EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)

Porawska J

[EFFECT OF EXERTION ON SERUM GROWTH HORMONE CONCENTRATION IN HEALTHY, OBESE AND DIABETIC SUBJECTS] Kosowicz J, Ponikowska I, Kozak W, Porawska J *Endokrynol Pol* 26: 431-7, Jul-Aug 75 (Pol)

Porte D Jr

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr *Diabetes* 24: 910-4, Oct 75 (Eng)

REVERSIBLE ABNORMALITIES IN POSTHEPARIN LIPOLYTIC ACTIVITY DURING THE LATE PHASE OF RELEASE IN DIABETES MELLITUS (POSTHEPARIN LIPOLYTIC ACTIVITY IN DIABETES). Brunzell JD, Porte D Jr, Bierman EL *Metabolism* 24: 1123-37, Oct 75 (Eng)

Porter JW

ADAPTIVE SYNTHESIS OF FATTY ACID SYNTHETASE AND ACETYL-CoA CARBOXYLASE BY ISOLATED RAT LIVER CELLS. Lakshmanan MR, Nepokroeff CM, Kim M, Porter JW *Arch Biochem Biophys* 169: 737-45, Aug 75 (Eng)

Pradhan PV

DIABETES MELLITUS (A PSYCHOSOMATIC STUDY OF 147 CASES). Bagadia VN, Havaldar PP, Gada MT, Pradhan PV, Shah LP, Dhirawani MK *J Postgrad Med* 21: 17-29, Jan 75 (Eng)

Prasad K

GLUCAGON-INDUCED CHANGES IN THE ACTION POTENTIAL, CONTRACTION, AND NA⁺-K⁺-ATPASE OF CARDIAC MUSCLE. Prasad K *Cardiovasc Res* 9: 355-65, May 75 (Eng)

ACTION POTENTIALS (drug effects); ADENOSINE TRIPHOSPHATASE (metabolism); ANIMAL; CALCIUM; COMPARATIVE STUDY; DOGS; DOSE-RESPONSE RELATIONSHIP; DRUG; GLUCAGON (pharmacodynamics); GUINEA PIGS; HEART (drug effects); IN VITRO; MICROSOMES (enzymology); MYOCARDIAL CONTRACTION (drug effects); MYOCARDIUM (enzymology); PAPILLARY MUSCLES (drug effects); POTASSIUM; RABBITS; SARCOLEMMMA (enzymology); SODIUM; SWINE.

Prasad R

EFFECT OF PHOSPHOLIPASE A ON THE STRUCTURE AND FUNCTIONS OF MEMBRANE VESICLES FROM MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3690-8, 25 May 75 (Eng)
ANILINO NAPHTHALENESULFONATES (metabolism); BINDING SITES; CATTLE; CELL MEMBRANE (metabolism, ultrastructure, drug effects); ELECTRON TRANSPORT; HYDROGEN-ION CONCENTRATION; KINETICS; LIPOSOMES (metabolism); MYCOBACTERIUM PHLEI (metabolism, ultrastructure, drug effects); MYCOBACTERIUM (metabolism); OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION (drug effects); PHOSPHOLIPASE (pharmacodynamics); PHOSPHOLIPIDS (analysis); PROTEIN BINDING; SERUM ALBUMIN, BOVINE; SNAKE VENOMS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

EFFECT OF PHOSPHOLIPASE A ON ACTIVE TRANSPORT OF AMINO ACIDS WITH MEMBRANE VESICLES OF MYCOBACTERIUM PHLEI. Prasad R, Kalra VK, Brodie AF *J Biol Chem* 250: 3699-703, 25 May 75 (Eng)
ADENOSINE TRIPHOSPHATASE (metabolism); AMINO ACIDS (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; CELL MEMBRANE (metabolism, drug effects); ELECTRON TRANSPORT; GLUTAMATES (metabolism); GLUTAMINE (metabolism); KINETICS; LIPOSOMES; MYCOBACTERIUM PHLEI (metabolism, drug effects); MYCOBACTERIUM (metabolism); PHOSPHOLIPASE (pharmacodynamics); PHOSPHOLIPIDS (pharmacodynamics); PROLINE (metabolism); TIME FACTORS; UNCOUPLING AGENTS (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Pratt RC

NASAL MUCORMYCOSIS: EARLY DETECTION AND TREATMENT WITHOUT RADICAL SURGERY OR AMPHOTERICIN B. Pollock RA, Pratt RC, Shulman JA, Turner JS *South Med J* 68: 1279-82, Oct 75 (Eng)

Prestele H

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

Priest FG

TYPIST: EFFECT OF GLUCOSE AND CYCLIC NUCLEOTIDES ON THE TRANSCRIPTION OF ALPHA-AMYLASE MRNA IN BACILLUS SUBTILIS. Priest FG *Biochem Biophys Res Commun* 63: 606-10, 7 Apr 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); **AMYLASE** (biosynthesis); **BACILLUS SUBTILIS** (drug effects); **BACILLUS** (enzymology); **GLUCOSE** (pharmacodynamics); **GUANOSINE CYCLIC 3,5 MONOPHOSPHATE** (pharmacodynamics); **RIFAMPIN** (pharmacodynamics); **SPECIES SPECIFICITY**; **TIME FACTORS**; **TRANSCRIPTION**, **GENETIC** (drug effects).

Prout TE

A PROGRESS REPORT ON THE UNIVERSITY GROUP DIABETES PROGRAM. Prout TE *Int J Clin Pharmacol Biopharm* 12: 244-51, Jul 75 (Eng)

CLINICAL RESEARCH; **COMPARATIVE STUDY**; **DIABETES MELLITUS** (drug therapy, mortality); **DIABETIC ANGIOPATHIES** (prevention & control, mortality); **DRUG INDUSTRY**; **EXPENDITURES**, **HEALTH**; **HUMAN**; **IATROGENIC DISEASE**; **INSULIN** (therapeutic use); **MARYLAND**; **MYOCARDIAL INFARCT** (prevention & control, mortality); **PHENFORMIN** (therapeutic use); **TOLBUTAMIDE** (therapeutic use).

Puchinger H

[STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL)] Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)

Puech-Cathala AM

[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)

Pukalist OJ

HUMAN ADIPOSE TISSUE LIPOPROTEIN LIPIASE: COMPARISON OF ASSAY METHODS AND EXPRESSIONS OF ACTIVITY. Pukalist OJ, Smith PH, Brunzell JD *Proc Soc Exp Biol Med* 148: 297-300, Jan 75 (Eng)

ACETONE; **ADIPOSE TISSUE** (enzymology, cytology); **ADULT**; **ETHERS**; **HEPARIN**; **HISTOCYTOCHEMISTRY** (methods); **HUMAN**; **LIPOPROTEIN LIPIASE** (metabolism); **MALE**; **MIDDLE AGE**; **OBESITY** (enzymology); **UNITED STATES GOVERNMENT** SUPPORTED, N.I.H..

Pullen RA

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

ANIMAL; **CATTLE**; **CRYSTALLIZATION**; **GLUCAGON**; **INSULIN**; **MOLECULAR MODELS**; **PLACENTAL LACTOGEN**; **PROTEIN BINDING**; **PROTEIN CONFORMATION**; **RECEPTORS**, **HORMONE**; **SPECIES SPECIFICITY**; **SWINE**; **X-RAY DIFFRACTION**.

Pulli K

[KALLMANS SYNDROME--HYPOGONADISM AND ANOSMIA] Pulli K, Pelkonen R *Duodecim* 91: 649-56, 1975 (Fin)

ADOLESCENCE; **ADULT**; **ANOSMIA** (complications); **COLOR BLINDNESS**; **ENGLISH ABSTRACT**; **EUNUCHISM**; **GONADOTROPINS**, **CHORIONIC** (therapeutic use); **HUMAN**;

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Pushendran CK

THE INCORPORATION OF -14C FROM [1-14C] PALMITATE INTO GLUCOSE AND GLYCOPROTEIN IN MICE. Pushendran CK, Eapen J *Can J Biochem* 53: 478-84, Apr 75 (Eng)

AGING; **ANIMAL EXPERIMENTS**; **BLOOD SUGAR** (biosynthesis); **BODY WEIGHT**; **GLYCOGEN** (biosynthesis); **KIDNEY** (metabolism, anatomy & histology, growth & development); **LIVER** (metabolism, anatomy & histology, growth & development); **MICE**; **ORGAN SPECIFICITY**; **ORGAN WEIGHT**; **PALMITIC ACIDS** (metabolism); **TIME FACTORS**.

Puzrev AA

[ULTRASTRUCTURE OF THE SECRETORY CELLS OF THE PANCREATIC ISLETS IN HUMAN FETUSES] Puzrev AA *Tsitologia* 17: 1027-31, Sep 75 (Rus)

AGE FACTORS; **ENDOPLASMIC RETICULUM** (ultrastructure); **ENGLISH ABSTRACT**; **FETUS** (ultrastructure); **GOLGI APPARATUS** (ultrastructure); **HUMAN**; **ISLANDS OF LANGERHANS** (ultrastructure, secretion, embryology); **PANCREAS** (embryology).

Pyke DA

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Batchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

Quagliarillo E

[TURNOVER OF NEUTRAL LIPIDS AND PHOSPHOLIPIDS IN RAT LIVER MITOCHONDRIA] Medli FM, Landriscina C, Quagliarillo E *Boll Soc Ital Biol Sper* 50: 1324-8, 15 Sep 74 (Ita)

Quarles RH

[35-SULFATE INCORPORATION INTO MYELIN GLYCOPROTEINS; II. PERIPHERAL NERVOUS TISSUE.] Matthieu JM, Everly JL, Brady RO, Quarles RH *Biochim Biophys Acta* 392: 167-74, 5 May 75 (Eng)

Queen G

ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY. Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)

Querol Prieto R

[LEUCOCYTOSIS IN ACUTE DIABETIC ABDOMEN] Querol Prieto R *Rev Clin Esp* 138: 275-7, 15 Aug 75 (Spa)

ABDOMEN, **ACUTE** (blood); **ADOLESCENCE**; **DIABETES MELLITUS** (blood); **HUMAN**; **LEUKOCYTOSIS**, **MALE**.

Rabinovitch A

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DISPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

Rabuzzo AM

ENZYMES OF GLUCOSE METABOLISM AND OF THE CITRATE CLEAVAGE PATHWAY IN ADIPOSE TISSUE OF NORMAL AND DIABETIC SUBJECTS. Belfiore F, Rabuzzo AM, Napoli E, Borzi V, Lo Vecchio L *Diabetes* 24: 865-73, Oct 75 (Eng)

Race RE

DELAYED HYPERSENSITIVITY IN NORMAL AND ALEUTIAN DISEASE-AFFECTED MINK. Munoz J, Lodmell DL, Race RE, Jackson TA, Hadlow WJ *J Immunol* 117: 53-60, May 74 (Eng)

Radda GK

NMR STUDIES ON PHOSPHOLIPID BILAYERS. SOME FACTORS AFFECTING LIPID DISTRIBUTION. Berden JA, Barker RW, Radda GK *Biochim Biophys Acta* 375: 186-208, 28 Jan 75 (Eng)

Radev S

[THE MECHANISM OF THE FAVORABLE EFFECT OF INSULIN ON STRIATE MUSCULATURE FOLLOWING REMOVAL OF PLASTER CASTS] Rusev G, Radev S, Nakov D, Dzhirakolova T *Exp Med Morphol* 11: 96-101, 1972 (Bul)

Radhakrishnamurthy B

LIPOPROTEIN-ACID COPOLYSACCHARIDE COMPLEXES OF HUMAN ATHEROSCLEROTIC LESIONS. Srinivasan SR, Radhakrishnamurthy B, Parganekar PS, Berenson GS, Dolan P *Biochim Biophys Acta* 388: 58-70, 18 Apr 75 (Eng)

A STUDY OF CONNECTIVE TISSUE MACROMOLECULES IN SKIN OF MICE WITH GOLDTHIOGLUCOSE-INDUCED OBESITY. Dalferes ER Jr, Radhakrishnamurthy B, Crouch MS, Berenson GS *Proc Soc Exp Biol Med* 148: 918-24, Mar 75 (Eng)

Raffell M

ENZYME POLYMORPHISM IN RAT-LIVER MICROSOMES AND PLASMA MEMBRANES. I. AN IMMUNOCHEMICAL STUDY OF MULTI-ENZYME COMPLEXES AND OTHER ENZYME-ACTIVE ANTIGENS. Blomberg F, Raffell M *Eur J Biochem* 49: 21-9, 1 Nov 74 (Eng)

Raimer M

CARBOHYDRATE METABOLISM IN PATIENTS WITH ALCOHOLIC LIVER CIRRHOSIS. Kinalski I, Raimer M *Mater Med Pol* 7: 200-3, Jul-Sep 75 (Eng)

Ram D

ZERO-TRANS AND EQUILIBRIUM-EXCHANGE EFFLUX AND INFINITE-TRANS UPTAKE OF GALACTOSE BY HUMAN ERYTHROCYTES. Ginsburg H, Ram D *Biochim Biophys Acta* 382: 369-76, 25 Mar 75 (Eng)

Ramachandra Pai M

EFFECT OF AFLATOXINS ON OXIDATIVE PHOSPHORYLATION BY RAT LIVER MITOCHONDRIA. Ramachandra Pai M, Jayanthi Bai N, Venkatasubramanian TA *Chem Biol Interact* 10: 123-31, Feb 75 (Eng)

ADENOSINE DIPHOSPHATE (metabolism); **AFLATOXINS** (pharmacodynamics); **ANIMAL EXPERIMENTS**; **ELECTRON TRANSPORT**; **KINETICS**; **MITOCHONDRIA**, **LIVER** (metabolism, drug effects); **OXIDATIVE PHOSPHORYLATION** (drug effects); **OXYGEN CONSUMPTION** (drug effects); **RATS**; **TIME FACTORS**; **UNCOUPLING AGENTS**.

Ramalingaswami V

EFFECT OF DIETARY PROTEIN AND CHOLESTEROL ON ATHEROSCLEROSIS IN SWINE. Gupta PP, Tandon HD, Ramalingaswami V *Exp Mol Pathol* 22: 305-16, Jun 75 (Eng)

Ramaswamy K

AN ANALYSIS OF THE D-GLUCOSE INFLUX KINETICS OF IN VITRO HAMSTER JEJUNUM, BASED ON CONSIDERATIONS OF THE MASS-TRANSFER COEFFICIENT. Dugas MC, Ramaswamy K, Crane RK *Biochim Biophys Acta* 382: 576-89, 8 Apr 75 (Eng)

Diabetes Literature—Author Index

Ramirez A

Ramirez A

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larrodera L, Ramirez A, Florez Tascón M, Schuller A *Rev Clin Exp* 138: 475-9, 15 Sep 75 (Spa)

Ramp WK

CELLULAR CONTROL OF CALCIUM MOVEMENTS IN BONE. INTERRELATIONSHIPS OF THE BONE MEMBRANE, PARATHYROID HORMONE AND ALKALINE PHOSPHATASE. Ramp WK *Clin Orthop* 311-22, Jan-Feb 75 (Eng)

ADENOSINE TRIPHOSPHATASE (physiology); ALKALINE PHOSPHATASE (metabolism); ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT, ACTIVE; BONE AND BONES (metabolism, enzymology, analysis); CALCIFICATION, PHYSIOLOGIC; CALCIUM (metabolism, analysis); CHICK EMBRYO; EMBRYO; EXTRACELLULAR SPACE (metabolism); IN VITRO; MEMBRANES (metabolism); MODELS, BIOLOGICAL; ORGAN CULTURE; PARATHYROID HORMONE (physiology); TIBIA (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Ramus NI

CHOLECYSTOKININ METABOLISM IN MAN AND DOGS. Thompson JC, Fender HR, Ramus NI, Villar HV, Rayford PL *Ann Surg* 182: 496-504, Oct 75 (Eng)

Rangneker PV

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSANCRECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangneker PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

Ranta T

EFFECT OF DEXAMETHASONE ON THE SECRETION OF THYROTROPIN IN THE RAT: DOSE AND TIME RELATIONS. Ranta T *Endocrinology* 96: 1566-70, Jun 75 (Eng)

ANIMAL EXPERIMENTS; BODY WEIGHT; COLD; CORTICOSTERONE (blood); CORTICOTROPIN (blood); DEXAMETHASONE (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; FEMALE; PITUITARY GLAND, ANTERIOR (secretion, drug effects); RATS; STRESS (blood); THYROTROPIN (blood, secretion); TIME FACTORS.

Raszyk J

[THE EFFECT OF INCREASED ADRENOCORTICAL SECRETION ON BLOOD GLUCOSE LEVELS IN PIGLETS] Raszyk J *Vet Med (Praha)* 19: 60-7, Oct 74 (Cze)

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CORTICOTROPIN (pharmacodynamics, diagnostic use); DOSE-RESPONSE RELATIONSHIP, DRUG; ENGLISH ABSTRACT; EOSINOPHILS; LEUKOCYTE COUNT (veterinary); SWINE.

Ravazzola M

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

Rayford PL

CHOLECYSTOKININ METABOLISM IN MAN AND DOGS. Thompson JC, Fender HR, Ramus NI, Villar HV, Rayford PL *Ann Surg* 182: 496-504, Oct 75 (Eng)

Rayman MK

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLI. II. EFFECTORS AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY RIBOSE 5-PHOSPHATE. Waygood EB, Rayman MK, Sanwal BD *Can J Biochem* 53: 444-54, Apr 75 (Eng)

Rayner PH

LETTER: AETIOLOGY OF JUVENILE DIABETES. Rolles CJ, Rayner PH, Mackintosh P *Lancet* 2: 230, 2 Aug 75 (Eng)

Rayssiguier Y

[MAGNESIUM DEFICIENCY IN THE RAT AND VARIATION OF SEVERAL PARAMETERS IN RELATION TO LIPID METABOLISM] Rays-siguier Y, Larvor P, Durlach J C R Soc Biol (Paris) 168: 736-8, 1974 (Fre)

ACETATES (blood); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS; BROWN FAT (metabolism); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); LIPIDS (metabolism); MAGNESIUM DEFICIENCY (metabolism); MAGNESIUM (blood); MALE; RATS.

Read NW

LETTER: ELECTROGENIC ABSORPTION OF GLUCOSE. Read NW, Levin RJ, Holdsworth CD *Lancet* 1: 631, 15 Mar 75 (Eng)

ACTION POTENTIALS; GLUCOSE (metabolism); HUMAN; ILEUM (metabolism); INTESTINAL ABSORPTION; JEJUNUM (metabolism); OSMOSIS.

Recant L

THE EFFECT OF FASTING ON TISSUE CYCLIC CAMP AND PLASMA GLUCAGON IN THE OBESE HYPERGLYCEMIC MOUSE. Lavine RL, Voyles N, Perrino PV, Recant L *Endocrinology* 97: 615-20, Sep 75 (Eng)

Record CO

ACID-BASE AND METABOLIC DISTURBANCES IN FULMINANT HEPATIC FAILURE. Record CO, Iles RA, Cohen RD, Williams R *Gut* 16: 144-9, Feb 75 (Eng)

ACETOACETATES (blood); ACID-BASE EQUILIBRIUM; ACIDOSIS (etiology); ACUTE DISEASE; ALKALOSIS (etiology); BICARBONATES (blood); CARBON DIOXIDE (blood); CITRATES (blood); FATTY ACIDS, NONESTERIFIED (blood); FUMARATES (blood); HEPATIC COMA (metabolism); HUMAN; KETOGLUTARIC ACIDS (blood); KETONE BODIES (blood); LACTATES (blood); LIVER DISEASES (metabolism, complications, blood); OXYGEN (blood); PARTIAL PRESSURE; PYRUVATES (blood); SUCCINATES (blood); TRIGLYCERIDES (blood).

Redick JA

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

Redmond MJ

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Icc RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

Rees LH

POSSIBLE PLACENTAL ORIGIN OF ACTH IN NORMAL HUMAN PREGNANCY. Rees LH, Burke CW, Chard T, Evans SW, Letchworth AT *Nature* 254: 620-2, 17 Apr 75 (Eng)

CORTICOTROPIN (biosynthesis, blood); FEMALE; HUMAN; HYDROCORTISONE (urine); IODINE RADIOISOTOPES; PLACENTA (metabolism); PREGNANCY; RADIOIMMUNOASSAY; TIME FACTORS.

Reeves RE

PHYSIOLOGICAL SIGNIFICANCE OF GLUCOSE TRANSPORT IN ENTAMOEBA HISTOLYTICA. Serrano R, Reeves RE *Exp Parasitol* 37: 411-6, Jun 75 (Eng)

Regensburger D

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL)] Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ *Anaesthesist* 23: 101-4, Mar 74 (Ger)

Regoly-Merei A

SIMULTANEOUS OCCURRENCE OF DIABETES, LIVER CIRRHOSIS, AND 47, XX,21 & 46, XX CHROMOSOMAL PATTERN. Barta L, Kemeny P, Regoly-Merei A *Arch Dis Child* 50: 573-4, Jul 75 (Eng)

Rehs HJ

[PHYSICAL EDUCATIONAL VIEWPOINTS ON THE PREVENTION OF OBESITY IN CHILDHOOD] Berndt I, Rehs HJ, Rutenfranz J *Off Gesundheitswes* 37: 1-9, Jan 75 (Ger)

Reichert LE Jr

PURIFICATION OF ANTERIOR PITUITARY HORMONES (OVINE, BOVINE, RAT, RABBIT). Reichert LE Jr *Methods Enzymol* 37 pt b: 360-80, 1975 (Eng)

ANIMAL EXPERIMENTS; CATTLE; CHROMATOGRAPHY, DEAE-CELLULOSE; CHROMATOGRAPHY, ION EXCHANGE; FSH (isolation & purification); GEL FILTRATION; LH (isolation & purification); METHODS; PITUITARY GLAND (analysis); PITUITARY GLAND, ANTERIOR (analysis); PITUITARY HORMONES, ANTERIOR (isolation & purification); PROLACTIN (isolation & purification); RABBITS (immunology); RADIOIMMUNOASSAY; RATS; SHEEP; SOMATOTROPIN (isolation & purification); SPECIES SPECIFICITY; THYROTROPIN (isolation & purification).

Reichle FA

COMPARISON OF LONG-TERM RESULTS OF 364 FEMOROPLOTEAL OR FEMOROTIBIAL BYPASSES FOR REVASCULARIZATION OF SEVERELY ISCHEMIC LOWER EXTREMITIES. Reichle FA, Tyson RR *Ann Surg* 182: 449-55, Oct 75 (Eng)

ARTERIES (surgery); BLOOD VESSEL PROSTHESIS; COMPARATIVE STUDY; DIABETIC ANGIOPATHIES (surgery); FEMORAL ARTERY (surgery); FOLLOW-UP STUDIES; HUMAN; ISCHEMIA (surgery, mortality); LEG (blood supply); METHODS; POLYETHYLENE TEREPHTHALATE; PLOTEAL ARTERY (surgery); SAPHEOUS VEIN (transplantation); TIBIA (blood supply); TRANSPLANTATION, AUTOLOGOUS.

Rerat A

QUANTITATIVE VARIATIONS IN THE ABSORPTION OF GLUCOSE DURING DIGESTION OF MAIZE STARCH IN THE PIG. Rerat A, Aumaitre A, Vaugelade P, Vaissade P *Proc Nutr Soc* 33: 102a-103a, Dec 74 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CORN; DIGESTION; FASTING;

GLUCOSE (metabolism); INTESTINAL ABSORPTION; PORTAL VEIN; STARCH (metabolism, administration & dosage); SWINE; TIME FACTORS; VENA CAVA, SUPERIOR.

Reshef L

GLUCOCORTICOIDS AND THE REGULATION OF PHOSPHOENOLPYRUVATE CARBOXYKINASE (GUANOSINE TRIPHOSPHATE) IN THE RAT. Gunn JM, Hanson RW, Meyuhos O, Reshef L, Ballard FJ *Biochem J* 150: 195-203, Aug 75 (Eng)

Reuter E

RELATIONSHIP BETWEEN L-ALANINE AND SODIUM ION TRANSPORT IN ISOLATED RENAL TUBULES. Endou H, Reuter E, Weber H *Biochim Biophys Acta* 389: 516-29, 21 May 75 (Eng)

Reynaert R

INFLUENCE OF SERUM FREE FATTY ACID LEVELS ON GROWTH HORMONE SECRETION IN LACTATING COWS. Reynaert R, De Paeppe M, Marcus S, Peeters G *J Endocrinol* 66: 213-24, Aug 75 (Eng)

ANIMAL; ARGININE (pharmacodynamics); BLOOD SUGAR; BUTYRATES (pharmacodynamics); CATTLE (physiology); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCOSE (pharmacodynamics); INSULIN (pharmacodynamics); ISOXAZOLES (pharmacodynamics); LACTATION; NICOTINIC ACIDS (pharmacodynamics); PROPRANOLOL (pharmacodynamics); PYRAZOLES (pharmacodynamics); SOMATOTROPIN (secretion); STIMULATION, CHEMICAL.

Reynolds WA

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Filer LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

Rhodes J

MODULATION OF MACROPHAGE FC RECEPTOR EXPRESSION IN VITRO BY INSULIN AND CYCLIC NUCLEOTIDES. Rhodes J *Nature* 257: 597-9, 16 Oct 75 (Eng)

ANIMAL; BINDING SITES (drug effects); DIBUTYRYL CYCLIC AMP (pharmacodynamics); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics, analogs & derivatives); GUINEA PIGS; IMMUNOGLOBULINS, FC; INSULIN (immunology); MACROPHAGES (immunology, drug effects); XANTHINES (pharmacodynamics).

Riaskoff S

TREATMENT OF DIABETIC RETINOPATHY WITH PHOTOCOAGULATION AT ADVANCED AGE. Riaskoff S *Ophthalmologica* 171: 309-11, 1975 (Eng)

AGE FACTORS; AGED; DIABETIC RETINOPATHY (surgery); HUMAN; LIGHT COAGULATION; MIDDLE AGE; POSTOPERATIVE COMPLICATIONS; VISUAL ACUITY.

Ricard J

REGULATORY BEHAVIOR OF MONOMERIC ENZYMES. 2. A WHEAT-GERM HEXOKINASE AS A MNEMONICAL ENZYME. Meunier JC, Buc J, Navarro A, Ricard J *Eur J Biochem* 49: 209-23, 1 Nov 74 (Eng)

Richard JL

[ACHILLEAN REFLEXOGRAM : ITS MEASUREMENT AND ITS CORRELATIONS WITH VARIOUS CLINICAL AND BIOLOGICAL FACTORS IN 2 WORKING MALE POPULATIONS] Kritikis S, Ducimetiere P, Richard JL *Sem Hop Paris* 51: 2109-17, 10-20 Jul 75 (Fre)

Richards NM

OUTBREAKS OF SERRATIA MARCESCENS INFECTIONS IN A CARDIOTHORACIC SURGICAL INTENSIVE CARE UNIT. Richards NM, Levitsky S *Ann Thorac Surg* 19: 503-13, May 75 (Eng)

ADOLESCENCE; ADULT; ANTIBIOTICS (therapeutic use, pharmacodynamics); BLOOD SUGAR (analysis); CORONARY CARE UNITS; CROSS INFECTION (transmission); DISEASE OUTBREAKS; ENDOCARDITIS, BACTERIAL (transmission); ENTEROBACTERIACEAE INFECTIONS (transmission, drug therapy); FEMALE; HOSPITAL INFECTIONS (transmission, drug therapy); HUMAN; PNEUMONIA (transmission); RESPIRATORS (adverse effects); SERRATIA MARCESCENS (drug effects, isolation & purification); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Richards P

PROTEIN METABOLISM IN URAEMIA. Richards P *Nephron* 14: 134-52, 1975 (Eng) [69]

ADULT; AMINO ACIDS (biosynthesis); AMINO ACIDS, ESSENTIAL (biosynthesis); AMMONIA (metabolism); BLOOD UREA NITROGEN; DIALYSIS; DIETARY PROTEINS; FECES (enzymology); FEMALE; HUMAN; KIDNEY FAILURE, CHRONIC (metabolism); MALE; MIDDLE AGE; NITROGEN (metabolism, analysis); NUTRITION DISORDERS (etiology); NUTRITIONAL REQUIREMENTS; PROTEINS (metabolism); REVIEW; SERUM ALBUMIN (metabolism); UREA (metabolism); UREASE (analysis); UREMIA (metabolism, therapy, complications); VALINE (analysis).

Richens ER

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 71-5, May 74 (Eng)

ADOLESCENCE; ADULT; ANTIGENS; AUTOANTIBODIES; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (immunology); HUMAN; HYPERSENSITIVITY, DELAYED; IMMUNITY, CELLULAR; INFANT; MITOCHONDRIA, LIVER (immunology, ultrastructure); RATS.

Richman R

REGULATION OF THYROID ORNITHINE ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN. I. THE RAT. Richman R, Park S, Akbar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; ARACHIDONIC ACIDS (pharmacodynamics); ASPIRIN (pharmacodynamics); CARBOXYLYASES (metabolism); COLCHICINE (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); INDOMETHACIN (pharmacodynamics); KINETICS; MALE; NAPROXEN (pharmacodynamics); ORGAN WEIGHT; ORNITHINE DECARBOXYLASE (metabolism); PHENYLBUTAZONE (pharmacodynamics); PROTAGLANDINS E (pharmacodynamics); PUTRESCINE (pharmacodynamics); RATS; THYROID GLAND (enzymology, drug effects, anatomy & histology); THYROTROPIN (pharmacodynamics, blood); TIME FACTORS; TRIIODOTHYRONINE (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VINBLASTINE (pharmacodynamics).

Rick W

[SERUM GASTRIN AND H&SECRETION FOLLOWING VAGUS STIMULATION IN NORMAL PERSONS AND IN PATIENTS WITH

DUODENAL ULCER] Kleybrink H, Fritsch WP, Rick W, Haussamen TU *Med Welt* 26: 1640-1, 12 Sep 75 (Ger)

Ricketts HT

EDITORIAL: HYPOGLYCEMIA DURING FASTING. Ricketts HT *JAMA* 234: 186, 13 Oct 75 (Eng)

BLOOD SUGAR (analysis); DELIVERY OF HEALTH CARE; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; ISLET CELL TUMOR (diagnosis); MALE; SEX FACTORS; UNITED STATES.

Rietti CT

[EVALUATION OF HEPATIC FETAL GLYCOGEN IN DIABETES BY PANCREATCTOMY IN THE RAT] Cattaneo de Peralta Ramos MO, Rietti CT, Foglia VG *Rev Soc Argent Biol* 48-49: 42-8, Apr 72-Nov 73 (Spa)

Rimondi S

AGE AND CATECHOLAMINE RHYTHMS. Descovich GC, Montalbetti N, Kuhl JF, Rimondi S, Halberg F, Ceredi C *Chronobiologia* 1: Apr-Jun 74 (Eng)

Rinon Aguilar MC

[INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA] Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sanmartin P, Acosta M, Cerdan Vallejo A *Rev Clin Esp* 138: 425-32, 15 Sep 75 (Spa)

ADULT; ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; INSULIN (secretion); MALE; PHEOCHROMOCYTOMA (diagnosis, metabolism).

Riondel AM

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

Risbourg B

[CONGENITAL HYPERGLYCEMIA WITHOUT KETOSIS] Piuassan C, Saudubray JM, Audebert M, Van Poperinghe M, Risbourg B *Pediatr* 30: 429-31, Jun 75 (Fre)

Rivier J

SOMATOSTATIN ANALOGS. RELATIVE IMPORTANCE OF THE DISULFIDE BRIDGE AND OF THE ALA-GLY SIDE CHAIN FOR BIOLOGICAL ACTIVITY. Rivier J, Brazeau P, Vale W, Guillemin R *J Med Chem* 18: 123-6, Feb 75 (Eng)

ALANINE (pharmacodynamics); ANIMAL EXPERIMENTS; BIOLOGICAL ASSAY; CHROMATOGRAPHY, THIN LAYER; DEPRESSION, CHEMICAL; ELECTROPHORESIS, PAPER; GLYCINE (pharmacodynamics); IN VITRO; PEPTIDES (chemical synthesis, pharmacodynamics); PITUITARY GLAND, ANTERIOR (secretion); RATS; SOMATOTROPIN RELEASING HORMONE (antagonists & inhibitors); SOMATOTROPIN (antagonists & inhibitors, secretion, blood); STRUCTURE-ACTIVITY RELATIONSHIP; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Rizzi B

[EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT] Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassaneli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

Diabetes Literature—Author Index

Rjasanowski I

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[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knoespe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

Roberge FA

ROLES OF THE AV JUNCTION IN DETERMINING THE VENTRICULAR RESPONSE TO ATRIAL FIBRILLATION. Billette J, Roberge FA, Nadeau RA *Can J Physiol Pharmacol* 53: 575-85, Aug 75 (Eng)

Robert H

[INCIDENCE OF HYPERURICEMIA AND GOUT IN CORONARY INSUFFICIENCY FROM ANGINA PECTORIS TO MYOCARDIAL INFARCT] May V, Robert H *Rev Rhum Mal Osteoarthr* 42: 467-70, Jul-Sep 75 (Fre)

Robert L

[IN VITRO BIOSYNTHESIS OF THE MACROMOLECULES OF GASTRIC MUCOSA] Waldron-Edward D, Decaens C, Bader JP, Robert L *C R Acad Sci [D] (Paris)* 279: 1397-9, 14 Oct 74 (Fre)

Roberts MC

CARBOHYDRATE DIGESTION AND ABSORPTION IN THE EQUINE SMALL INTESTINE. Roberts MC *J S Afr Vet Assoc* 46: 19-27, Mar 75 (Eng) [25]

ANIMAL; DIETARY CARBOHYDRATES (metabolism); DIGESTION; FETUS (enzymology); GALACTOSIDASES (metabolism); GLUCOSE TOLERANCE TEST; GLUCOSIDASES (metabolism); HORSE DISEASES (diagnosis); HORSES (metabolism); INTESTINAL ABSORPTION; INTESTINAL DISEASES (veterinary, diagnosis); INTESTINE, SMALL (metabolism, enzymology); LACTOSE INTOLERANCE (diagnosis, veterinary); LACTOSE (metabolism); MALTOSE (metabolism); REVIEW; SUCROSE (metabolism); XYLOSE (diagnostic use).

Robinson BH

THE EFFECT OF ADENOSINE TRIPHOSPHATE ON THE TRICARBOXYLATE TRANSPORTING SYSTEM OF RAT LIVER MITOCHONDRIA. Robinson BH, Cheema-Dhadli S, Halperin ML *J Biol Chem* 250: 3639-43, 25 May 75 (Eng)

ADENOSINE DIPHOSPHATE

(pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; ANTIMYCIN A (pharmacodynamics); ASCORBIC ACID (pharmacodynamics); ATRACTYLOSIDE (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE; CITRATES (metabolism); IMIDES (pharmacodynamics); KINETICS; MALATES (metabolism); MALONATES (pharmacodynamics); MERSALYL (pharmacodynamics); MITOCHONDRIA, LIVER (metabolism, drug effects); MODELS, BIOLOGICAL; OLIGOMYCIN (pharmacodynamics); ORGANOPHOSPHORUS COMPOUNDS (pharmacodynamics); PALMITIC ACIDS (pharmacodynamics); PHOSPHATES, INORGANIC (pharmacodynamics); RATS; ROTENONE (pharmacodynamics); TETRAMETHYLPHENYLENEDIAMINE (pharmacodynamics); TIME FACTORS; TRICARBOXYLIC ACIDS (metabolism).

Robinson FW

INSULIN-SENSITIVE PHOSPHODIESTERASE. ITS LOCALIZATION, HORMONAL STIMULATION, AND OXIDATIVE STABILIZATION. Kono T, Robinson FW, Sarver JA *J Biol Chem* 250: 7826-35, 10 Oct 75 (Eng)

Robinson GB

THE SPECIFIC BINDING OF INSULIN TO POLYTHENE AND OTHER MATERIALS. Cecil R, Robinson GB *Biochim Biophys Acta* 404: 164-8, 8 Sep 75 (Eng)

Robinson JJ

EFFECT OF UNDERNUTRITION ON NITROGEN METABOLISM IN THE PREGNANT EWE. Guada JA, Robinson JJ *Proc Nutr Soc* 33: 84a-85a, Dec 74 (Eng)

Robison GA

SITE OF FREE-FATTY-ACID INHIBITION OF LIPOLYSIS BY HUMAN ADIPOCYTES. Burns TW, Langley PE, Robison GA *Metabolism* 24: 265-76, Mar 75 (Eng)

Rodiger W

[COURSE OF CORONARY DISEASE. EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY] Kugler G, Johannes E, Rodiger W, Westermann KW *Z Kardiol* 64: 45-54, Mar 75 (Ger)

Rodnight R

OBSERVATIONS ON THE BINDING OF ADENOSINE 3:5-MONOPHOSPHATE TO CELL MEMBRANE FRAGMENTS FROM OX CEREBRAL CORTEX. Weller M, Rodnight R *Biochim Biophys Acta* 389: 573-7, 21 May 75 (Eng)

Roe TF

DRUG INTERACTION: DIAZOXIDE AND DIPHENYLHYDANTOIN. Roe TF, Podosin RL, Blaskovics ME *J Pediatr* 87: 480-4, Sep 75 (Eng)

ADMINISTRATION, ORAL: ADOLESCENCE; CHILD, PRESCHOOL; CHROMATOGRAPHY, GAS; CONVULSIONS (drug therapy); DIAZOXIDE (administration & dosage, adverse effects); DIPHENYLHYDANTOIN (administration & dosage, metabolism); DRUG THERAPY, COMBINATION; ETHOSUXIMIDE (administration & dosage); HUMAN; HYPERINSULINISM (drug therapy); HYPOGLYCEMIA (drug therapy); INFANT; INJECTIONS, INTRAMUSCULAR; MALE; MEPHOBARBITAL (administration & dosage); PHENOBARBITAL (administration & dosage); PRIMIDONE (administration & dosage); RADIOLOGAND ASSAY; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Rogers IM

NEONATAL SECRETION OF SECRETIN. Rogers IM, Davidson DC, Lawrence J, Buchanan KD *Arch Dis Child* 50: 120-2, Feb 75 (Eng)

BLOOD SUGAR (analysis); BLOOD; FASTING; FEMALE; HUMAN; INFANT, NEWBORN; IODINE ISOTOPES, DIAGNOSTIC; LABOR; MALE; PREGNANCY; PUERPERIUM; RADIOIMMUNOASSAY; SECRETIN (blood, secretion); TIME FACTORS; UMBILICAL CORD.

Rogers SH

ANATOMICAL LOCALIZATION OF GLUCOSE UPTAKE BY SCHISTOSOMA MANSONI ADULTS. Rogers SH, Bueding E *Int J Parasitol* 5: 369-71, Jun 75 (Eng)

ANIMAL EXPERIMENTS; FEMALE; GLUCOSE (metabolism); GLYCOGEN (metabolism); MALE; SCHISTOSOMA MANSONI (metabolism, anatomy & histology); SEROTONIN (pharmacodynamics); SEX FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Rojdmark S

EFFECTS OF MEDIUM CHAIN TRIGLYCERIDES ON PORTAL AND ARTERIAL LEVELS OF INSULIN, FFA AND GLUCOSE IN PATIENTS WITH PANCREATIC DISEASE. Rojdmarm S *Acta Med Scand* 198: 123-6, Jul-Aug 75 (Eng)

ADULT; ARTERIES; BLOOD COAGULATION; BLOOD SUGAR; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; INSULIN (blood); MALE; MIDDLE AGE; PANCREATIC DISEASES (metabolism, drug therapy); PORTAL VEIN; TRIGLYCERIDES (pharmacodynamics, therapeutic use).

Rolles CJ

LETTER: AETIOLOGY OF JUVENILE DIABETES. Rolles CJ, Rayner PH, Mackintosh P *Lancet* 2: 230, 2 Aug 75 (Eng)

CHILD; COXSACKIE VIRUS INFECTIONS (complications); DIABETES MELLITUS, JUVENILE (etiology, immunology); HL-A (isolation & purification); HUMAN; SEASONS.

Roma E

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

Romani JD

[LETTER: CUTANEOUS MICROANGIOPATHY, A SIGN OF DEVELOPMENT OF DIABETES] Romani JD *Nouv Presse Med* 4: 2037, 30 Aug-6 Sep 75 (Fre)

BIOPSY; DIABETIC ANGIOPATHIES (pathology); HUMAN; SKIN (blood supply); TIME FACTORS.

[LETTER: HEREDITY OF DIABETES MELLITUS] Chimenis H, Romani JD *Nouv Presse Med* 4: 2040, 30 Aug-6 Sep 75 (Fre)

[LETTER: CUTANEOUS MICROANGIOPATHY OF DIABETES FOLLOWING HEMOCHROMATOSIS] Romani JD *Nouv Presse Med* 4: 2116 (1), 13 Sep 75 (Fre)

ADULT; AGED; CAPILLARIES (pathology); COMPARATIVE STUDY; DIABETIC ANGIOPATHIES (etiology, pathology); HEMOCHROMATOSIS (complications); HUMAN; LYMPHATIC SYSTEM (pathology); MIDDLE AGE; SKIN (pathology).

Roscher R

[GLUCOSE-ASSIMILATION AND DYNAMICS OF INSULIN SECRETION. MEASUREMENTS AFTER INTRA-ABDOMINAL OPERATIONS (AUTHORS TRANSL.)] Bittner R, Beger HG, Kraas E, Roscher R *Klin Wochenschr* 53: 861-5, 15 Sep 75 (Ger)

Rose A

[DIURNAL VARIATION OF GLUCOSE TOLERANCE AND INSULIN SECRETION IN MAN (AUTHORS TRANSL.)] Grabner W, Matzies F, Prestele H, Rose A, Daniel U, Phillip J, Fischer K *Klin Wochenschr* 53: 773-8, 15 Aug 75 (Ger)

Rose IA

PREPARATION OF PHOSPHOENOLPYRUVATE AND PYRUVATE SPECIFICALLY LABELED WITH DEUTERIUM AND TRITIUM. Rose IA *Methods Enzymol* 41: 110-5, 1975 (Eng)

ALDOLASE; CARBOHYDRATE ISOMERASES; CHROMATOGRAPHY, ION EXCHANGE; DEUTERIUM; GLUCOSE (metabolism); GLUCOSEPHOSPHATE ISOMERASE; GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE; GLYCEROPHOSPHATES; HEXOKINASE; ISOTOPE LABELING

(methods); LACTATE DEHYDROGENASE; METHODS; PHOSPHOENOLPYRUVATE (biosynthesis); PHOSPHOFRUCTOKINASE; PHOSPHOPYRUVATE HYDRATASE; PYRUVATE KINASE; PYRUVATES (biosynthesis); TRIOSEPHOSPHATE ISOMERASE; TRITIUM.

Rose LF

COMMON MEDICAL EMERGENCIES: A DILEMMA IN DENTAL EDUCATION. Hendler BH, Rose LF *J Am Dent Assoc* 91: 575-82, Sep 75 (Eng)

Rosen BP

THE MAINTENANCE OF THE ENERGIZED MEMBRANE STATE AND ITS RELATION TO ACTIVE TRANSPORT IN ESCHERICHIA COLI. Rosen BP, Adler LW *Biochim Biophys Acta* 387: 23-36, 14 Apr 75 (Eng)

ADENOSINE TRIPHOSPHATASE; ADENOSINE TRIPHOSPHATE (metabolism); BIOLOGICAL TRANSPORT; ACTIVE; CELL MEMBRANE (metabolism); ENERGY TRANSFER; ESCHERICHIA COLI (metabolism); LACTATES (metabolism); MODELS, BIOLOGICAL; MUTATION; SPECIES SPECIFICITY; SPECTROMETRY, FLUORESCENCE; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Rosenstein AJ

ELEVATION OF ARTERIAL PHOSPHORFUCTOKINASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zempenyl T, Rosenstein AJ *Atherosclerosis* 21: 167-77, Mar-Apr 75 (Eng)

Rosenzweig NS

REGIONAL VARIATION IN GLYCOLYTIC ENZYME ADAPTATION TO DIETARY SUGARS IN RAT SMALL INTESTINE. Espinoza J, Hritz A, Kaplan R, Clark SB, Rosenzweig NS *Am J Clin Nutr* 28: 453-8, May 75 (Eng)

DIET AND INTESTINAL ENZYME ADAPTATION: IMPLICATIONS FOR GASTROINTESTINAL DISORDERS. Rosenzweig NS *Am J Clin Nutr* 28: 648-55, Jun 75 (Eng) [44]

ADAPTATION, PHYSIOLOGICAL; ADULT; ALDEHYDE-LYASES (metabolism); CARBOHYDRATE ISOMERASES (metabolism); CARBOHYDRATES (metabolism); DIETARY CARBOHYDRATES; DISACCHARIDASES (metabolism, deficiency); FOLIC ACID (physiology, therapeutic use); GASTROINTESTINAL DISEASES (metabolism); GLYCOLYSIS; HUMAN; INTESTINAL MUCOSA (enzymology); INTESTINE, SMALL (enzymology); JEJUNUM (enzymology); PHOSPHOTRANSFERASES, ATP (metabolism); REVIEW; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Rosnowski A

ULTRASTRUCTURE OF CELLS ISOLATED ENZYMICALLY FROM THE AORTA OF RABBITS WITH EXPERIMENTAL ATHEROSCLEROSIS. Rosnowski A, Hinek A *Pol Med Sci Hist Bull* 15: 387-98, Sep-Oct 74 (Eng)

ANIMAL EXPERIMENTS; AORTA, THORACIC (ultrastructure); ARTERIOSCLEROSIS (pathology); ATHEROSCLEROSIS (pathology, etiology); CELL SEPARATION; CHOLESTEROL (administration & dosage); CHOLESTEROL, DIETARY; CYTOPLASM (ultrastructure); DIET, ATHEROGENIC; ENDOPLASMIC RETICULUM (ultrastructure); ENDOTHELIUM (ultrastructure); FIBROBLASTS (ultrastructure); HISTOCYTOCHEMISTRY; LIPIDS (analysis); LYMPHOCYTES (ultrastructure); MUSCLE, SMOOTH (pathology, ultrastructure); POLYRIBOSOMES (ultrastructure); RABBITS; RIBOSOMES (ultrastructure).

Rossini AA

ALANINE-INDUCED AMINO ACID INTER-RELATIONSHIPS. Rossini AA, Aoki TT, Ganda OP, Soeldner JS, Cahill GF Jr *Metabolism* 24: 1185-92, Oct 75 (Eng)

ADULT; ALANINE (pharmacodynamics, administration & dosage); AMINO ACIDS (blood); BLOOD CELLS (metabolism); GLUCAGON (blood); GLYCERIN (blood); HUMAN; INSULIN (blood); LACTATES (blood); MALE; PYRUVATES (blood); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Roth HP

[SERUM AND PLASMA INSULIN LEVELS IN ZINC-DEFICIENT RATS FOLLOWING GLUCOSE STIMULATION] Roth HP, Kirchgessner M *Int J Vitam Nutr Res* 45: 201-8, 1975 (Ger)

ANIMAL; BLOOD SUGAR (metabolism); DEFICIENCY DISEASES (blood); ENGLISH ABSTRACT; GLUCOSE (pharmacodynamics); INSULIN (blood); MALE; RATS; STIMULATION, CHEMICAL; ZINC (deficiency).

Roth J

ANTIBODIES THAT IMPAIR INSULIN RECEPTOR BINDING IN AN UNUSUAL DIABETIC SYNDROME WITH SEVERE INSULIN RESISTANCE. Flier JS, Kahn CR, Roth J, Bar RS *Science* 190: 63-5, 3 Oct 75 (Eng)

METHODS FOR ASSESSING IMMUNOLOGIC AND BIOLOGIC PROPERTIES OF IODINATED PEPTIDE HORMONES. Roth J *Methods Enzymol* 37 pt b: 223-33, 1975 (Eng)

ANIMAL EXPERIMENTS; HORMONES (analysis); HUMAN; IODINE RADIOISOTOPES; METHODS; PEPTIDES (analysis); PEROXIDASES; PROLACTIN (analysis); SOMATOTROPIN (analysis); THYROID HORMONES (analysis).

Roux E

[LETTER: PRACTICAL IMPORTANCE OF SORBITOL IN DIABETOLOGY] Heraud G, Roux E, Stach JL *Nouv Presse Med* 4: 2113 (2), 13 Sep 75 (Fre)

Rouzaire-Dubois B

[MEMBRANE-BOUND HORMONE RECEPTORS, PHYSIOLOGICAL AND PATHOLOGICAL VARIATIONS] Chevillotte E, Devynck MA, Meyer P, Rouzaire-Dubois B *Nouv Presse Med* 4: 2161, 2163-4, 20 Sep 75 (Fre) [14]

Rowe P

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)

Rowe PJ

THE DESIGN AND EVALUATION OF FIELD TRIALS OF INJECTABLE CONTRACEPTIVES. Rowe PJ *J Steroid Biochem* 6: 921-4, Jun 75 (Eng)

CARBOHYDRATES (metabolism); CONTRACEPTIVE AGENTS (pharmacodynamics, adverse effects); DRUG EVALUATION (methods); FEMALE; FERTILITY (drug effects); GLUCOSE TOLERANCE TEST; HUMAN; LIBIDO (drug effects); LIVER (metabolism, drug effects); MALE; PENIS (physiology, drug effects); PREGNANCY; VAGINA (physiology, drug effects).

Rubenstein AH

DEGRADATION OF INSULIN IN SERUM BY INSULIN-SPECIFIC PROTEASE. Starr JL, Juhn DD, Rubenstein AH *J Lab Clin Med* 86: 631-7, Oct 75 (Eng)

INSULIN AND THE KIDNEY. Rubenstein AH, Mako ME, Horwitz DL *Nephron* 15: 306-26, 1975 (Eng) [147]

CARBOHYDRATES (metabolism); DIABETES MELLITUS (physiopathology, pathology); ERYTHROBLASTOSIS, FETAL (physiopathology, complications); HUMAN; HYPOGLYCEMIA (etiology); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (physiopathology); INSULIN (physiology, metabolism, urine); KIDNEY FAILURE, CHRONIC (complications); KIDNEY (physiopathology, metabolism, pathology, transplantation); REVIEW; TRANSPLANTATION, HOMOLOGOUS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)

Rubin H

EARLY CELLULAR RESPONSES TO DIVERSE GROWTH STIMULI INDEPENDENT OF PROTEIN AND RNA SYNTHESIS. Rubin H, Koide T *J Cell Physiol* 86: 47-58, Aug 75 (Eng)

AMINOISOBUTYRIC ACID (metabolism); BENZANTHRACENES (pharmacodynamics); CELL DIVISION; CELLS, CULTURED (metabolism); CHICK EMBRYO; CHOLINE (metabolism); CYCLOHEXIMIDE (pharmacodynamics); DACTINOMYCIN (pharmacodynamics); DEOXYGLUCOSE (metabolism); DOSE-RESPONSE RELATIONSHIP, DRUG; DNA (biosynthesis); INSULIN (pharmacodynamics); MANGANESE (pharmacodynamics); PHILIPPINES; PLASMA; PROTEINS (biosynthesis); RNA (biosynthesis); STIMULATION, CHEMICAL; THYMIDINE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; URIDINE (metabolism); ZINC (pharmacodynamics); 9,10-DIMETHYL-1,2-BENZANTHRACENE (pharmacodynamics).

Rubio Perez P

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION. INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Esp* 138: 321-6, 31 Aug 75 (Spa)

ARGININE (pharmacodynamics); CALCIUM (metabolism); COMPARATIVE STUDY; ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; HUMAN; HYPOPARATHYROIDISM (metabolism); INSULIN (secretion); ISLANDS OF LANGERHANS (metabolism); PANCREAS (secretion); PHOSPHORUS (metabolism); STIMULATION, CHEMICAL.

Rudland PS

INITIATION OF CELL PROLIFERATION IN CULTURED MOUSE FIBROBLASTS BY PROSTAGLANDIN F₂ALPHA. De Asua LJ, Clingan D, Rudland PS *Proc Natl Acad Sci USA* 72: 2724-8, Jul 75 (Eng)

Ruppin H

DERMATITIS HERPETIFORMIS AND SMALL INTESTINAL LESION—NO STRICT ASSOCIATION IN GERMAN PATIENTS. Ruppin H, Weidner F, Domschke S, Domschke W, Classen M, Hornstein OP *Acta Hepatogastroenterol (Stuttg)* 22: 105-11, Apr 75 (Eng)

ADULT; AGED; ATROPHY; BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); DERMATITIS HERPETIFORMIS (pathology, blood, familial & genetic); DISACCHARIDASES (analysis); EOSINOPHILS; FEMALE; GENETICS, POPULATION; GERMANY, WEST; HUMAN; INTESTINAL MUCOSA (pathology);

Rusev G

INTESTINE, SMALL (pathology, enzymology); LEUKOCYTE COUNT; MALE; MIDDLE AGE.

Rusev G

[THE MECHANISM OF THE FAVORABLE EFFECT OF INSULIN ON STRIATE MUSCULATURE FOLLOWING REMOVAL OF PLASTER CASTS] Rusev G, Radev S, Nakov D, Dzhrkova T *Eksp Med Morfol* 11: 96-101, 1972 (Bul)

ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL; CREATINE (metabolism); ELECTRIC STIMULATION; ENGLISH ABSTRACT; GLUCOSE (metabolism); GLYCOGEN (metabolism); IMMOBILIZATION; INSULIN (pharmacodynamics); LACTATES (metabolism); MUSCLES (metabolism); PHOSPHOCREATINE (metabolism); PHOSPHORUS (metabolism); PYRUVATES (metabolism); RATS.

Russell JC

PLASMA PROTEIN BINDING OF EPINEPHRINE. Russell JC, Doty DM *Physiol Chem Phys* 5: 75-86, 1973 (Eng)

BINDING SITES; BINDING, COMPETITIVE; BLOOD PROTEINS (metabolism); DOPA (metabolism); DOPAMINE (metabolism); DOSE-RESPONSE RELATIONSHIP, DRUG; EPINEPHRINE (metabolism); FEMALE; HUMAN; KINETICS; NOREPINEPHRINE (metabolism); PROTEIN BINDING; TEMPERATURE; THERMODYNAMICS.

Russell RC

PROCEEDINGS: DIURNAL RHYTHM OF GASTRIN AND GLUCAGON. Ellis BW, Russell RC, Bloom SR, Dudley HA *Br J Surg* 62: 664, Aug 75 (Eng)

Russell T

THE LAST CONVERSATION WITH DR. EARL W. SUTHERLAND, JR: THE FEEDBACK REGULATION OF CYCLIC NUCLEOTIDES. Ho RJ, Russell T, Asakawa T *Metabolism* 24: 257-64, Mar 75 (Eng)

Rutenfranz J

[PHYSICAL EDUCATIONAL VIEWPOINTS ON THE PREVENTION OF OBESITY IN CHILDHOOD] Berndt I, Rehs HJ, Rutenfranz J *Oeff Gesundheitswes* 37: 1-9, Jan 75 (Ger)

Rutkowski B

[DISORDERS OF CARBOHYDRATE METABOLISM IN PATIENTS WITH RENAL FAILURE] Rutkowski B, Kicinska M *Pol Tyg Lek* 30: 1587-90, 22 Sep 75 (Pol) [37]

CARBOHYDRATES (metabolism); FASTING; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HEMODIALYSIS; HUMAN; HYPERGLYCEMIA (metabolism); INSULIN (secretion, antagonists & inhibitors); KIDNEY FAILURE, ACUTE (metabolism); KIDNEY FAILURE, CHRONIC (metabolism, therapy); KIDNEY (metabolism); REVIEW; SOMATOTROPIN (physiology).

Ryan JR

THE METABOLIC SPECTRUM OF HALOFENATE. Ryan JR *Int J Clin Pharmacol Biopharm* 12: 239-43, Jul 75 (Eng)

BLOOD SUGAR (analysis); CHOLESTEROL (blood); CLINICAL RESEARCH; CLOFIBRATE (pharmacodynamics, adverse effects); COMPARATIVE STUDY; CREATINE KINASE (blood); GLYCOLATES (pharmacodynamics); HALOFENATE (pharmacodynamics, therapeutic use); HUMAN; HYPERLIPIDEMIA (drug therapy); PROBENECID (pharmacodynamics); PROTEIN BINDING (drug effects); PROTEIN-BOUND IODINE TEST; THYROXINE (blood); TOLBUTAMIDE (blood); TRIGLYCERIDES (blood); URIC ACID (blood).

Diabetes Literature—Author Index

Ryder E

BIOCHEMICAL CHANGES IN CULTURED FOETAL RAT LIVER EXPLANTS. MacDonnell PC, Ryder E, Delvalle JA, Greengard O *Biochem J* 150: 269-73, Aug 75 (Eng)

Rylett PA

PLASMA ADRENALINE CONCENTRATIONS IN RATS: INFLUENCE OF ANAESTHETICS AND HEART RATE RESPONSE TO PRONETHALOL. Dean HG, Rylett PA *J Pharm Pharmacol* 27: 70-1, Jan 75 (Eng)

Ryo UY

TISSUE DISTRIBUTION OF 14C-, 125I-, AND 131I-DIPHENYLHYDANTOIN IN THE TOAD-FISH, RAT, AND HUMAN WITH INSULINOMAS. Balachandran S, Beierwaltes WH, Icc RD, Fajans SS, Ryo UY, Redmond MJ, Hetzel KR, Mosley ST, Feldstein B *J Nucl Med* 16: 775-9, Aug 75 (Eng)

Sachs G

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES. Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-955, 1975 (Eng)

Sackler AM

METABOLISM RATE, BIOCHEMICAL AND ENDOCRINE ALTERATIONS IN MALE WHIRLER MICE. Weltman AS, Sackler AM, Lewis AS, Johnson L *Physiol Behav* 5: 17-22, Jan 70 (Eng)

Saggerson ED

LIPID GENESIS IN RABBIT ISOLATED FAT-CELLS. Saggerson ED *Biochem J* 142: 477-82, Sep 74 (Eng)

ACETATES (metabolism); ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS; CARBON DIOXIDE (metabolism); CARBON RADIOISOTOPES; FATTY ACIDS (biosynthesis); GLUCOSE (metabolism); GUINEA PIGS; KINETICS; LACTATES (metabolism); LIPIDS (biosynthesis); MALATE DEHYDROGENASE (metabolism); MALE; MITOCHONDRIA (metabolism); PHOSPHOENOLPYRUVATE CARBOXYKINASES (metabolism); PYRUVATE CARBOXYLASE (metabolism); PYRUVATES (metabolism); RABBITS; RATS.

Sagulka VV

[SHORT REVIEW OF THE RESULTS OF SCIENTIFIC STUDIES IN PEDIATRICS IN 1972] Efimova AA, Sagulka VV, Vintovkina IS, Shliakhtina SE *Pediatrria* 58-64, Jan 74 (Rus)

Saitoh Y

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE. Saitoh Y, Uii M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

ANIMAL; ENZYME ACTIVATION (drug effects); EPINEPHRINE (pharmacodynamics); FASTING; GLUCAGON (pharmacodynamics); GLYCOGEN PHOSPHORYLASE (metabolism); GLYCOGEN SYNTHETASE (metabolism); GLYCOGEN (metabolism); HYDROCORTISONE (pharmacodynamics); LIVER (enzymology, drug effects); PERFUSION; RATS.

Saleh N

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTEX AFTER ACUTE AND REPEATED STRESS. Kvetnansky R, Torda T, Jah-

nova E, Saleh N *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

Salembier Y

[GLUCOSE CONTENT OF GALLBLADDER BILE AND CHOLEDOCHAL BILE] Paris J, Gerard A, Salembier Y, Samso G *Tijdschr Gastroenterol* 17: 40-50, 1974 (Fre)

Samso G

[GLUCOSE CONTENT OF GALLBLADDER BILE AND CHOLEDOCHAL BILE] Paris J, Gerard A, Salembier Y, Samso G *Tijdschr Gastroenterol* 17: 40-50, 1974 (Fre)

Sanchez MS

NEW ORAL ANTIDIABETIC DRUGS. SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIPS. Francia E, Marin A, Verdugo F, Sanchez MS, Morell J *Boll Chim Farm* 114: 379-92, Jul 75 (Eng)

Sanchez Sanchez ML

[HYPOPARATHYROIDISM AND PANCREATIC FUNCTION. INFLUENCE OF CALCIUM IN THE SECRETION MECHANISM OF INSULIN] Rubio Perez P, De la Calle Basco H, Sanchez Sanchez ML *Rev Clin Exp* 138: 321-6, 31 Aug 75 (Spa)

Sanderson MC

FAILURE OF LABORATORY AND RADIOLOGICAL STUDIES TO PREDICT JEJUNAL MUCOSAL ATROPHY. Sanderson MC, Davis LR, Mowat AP *Arch Dis Child* 50: 526-31, Jul 75 (Eng)

AGE DETERMINATION BY SKELETON; BIOPSY; BLOOD CELL COUNT; CELIAC DISEASE (diagnosis, radiography); CHILD; CHILD, PRESCHOOL; FECES (analysis); GLUCOSE TOLERANCE TEST; HUMAN; INFANT; INTESTINAL MUCOSA (pathology); JEJUNUM (pathology, radiography); LIPIDS (metabolism); TRIGLYCERIDES (blood); XYLOSE (urine).

Sanford CH

BIOLOGIC REGULATION THROUGH OPPOSING INFLUENCES OF CYCLIC GMP AND CYCLIC AMP: THE YIN YANG HYPOTHESIS. Goldberg ND, Haddox MK, Nicol SE, Glass DB, Sanford CH, Kuehl FA Jr, Estensen R *Adv Cyclic Nucleotide Res* 5: 307-30, 1975 (Eng) [57]

Sanmartin P

[INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA] Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sanmartin P, Acosta M, Cerdan Vallejo A *Rev Clin Exp* 138: 425-32, 15 Sep 75 (Spa)

Sanwal BD

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLI. II. EFFECTORS AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY RIBOSE 5-PHOSPHATE. Waygood EB, Rayman MK, Sanwal BD *Can J Biochem* 53: 444-54, Apr 75 (Eng)

Sapeika N

EFFECT OF ORAL ANTIDIABETIC DRUGS ON LIPASE ACTIVITY IN VITRO. Holmes JH, Sapeika N, Zwarenstein H *Res Commun Chem Pathol Pharmacol* 11: 667-70, Aug 75 (Eng)

Sarver JA

INSULIN-SENSITIVE PHOSPHODIESTERASE. ITS LOCALIZATION, HORMONAL STIMULATION, AND OXIDATIVE STABILIZATION. Kono T, Robinson FW, Sarver JA *J Biol Chem* 250: 7826-35, 10 Oct 75 (Eng)

Sasaki T

[SPECIFICITY AND MECHANISM OF THE GLUCOSE-O-TOLUIDINE REACTION FOR BLOOD GLUCOSE ASSAY (AUTHORS TRANSL)] Sasaki T, Hata K *Jpn J Clin Pathol* 22: 781-2, Nov 74 (Jpn)
BLOOD SUGAR (analysis); TOLONIUM CHLORIDE (diagnostic use).

Sato H

THE REGIONAL DISTRIBUTION OF SOMATOSTATIN IN THE RAT BRAIN. Brownstein M, Arimura A, Sato H, Schally AV, Kizer JS *Endocrinology* 96: 1456-61, Jun 75 (Eng)

Satre M

ATPASE INHIBITOR FROM YEAST MITOCHONDRIA. PURIFICATION AND PROPERTIES. Satre M, de Jerphanion MB, Huet J, Vignais PV *Biochim Biophys Acta* 387: 241-55, 15 May 75 (Eng)

ADENOSINE TRIPHOSPHATASE (antagonists & inhibitors); AMINO ACIDS (analysis); CATTLE; CHROMATOGRAPHY, DEAE-CELLULOSE; CROSS REACTIONS; ENZYME INHIBITORS (isolation & purification); FUNGAL PROTEINS (physiology, isolation & purification); GLUCOSE (pharmacodynamics); GLYCERIN (pharmacodynamics); ISOELECTRIC FOCUSING; MITOCHONDRIA (physiology, drug effects); MITOCHONDRIA, MUSCLE (physiology); MOLECULAR WEIGHT; SACCHAROMYCES CEREVISIAE (physiology); SPECIES SPECIFICITY; TORULOPSIS (physiology).

Saudubray JM

[CONGENITAL HYPERGLYCEMIA WITHOUT KETOSIS] Piusan C, Saudubray JM, Audebert M, Van Poperinghe M, Risbourg B *Pediatr* 30: 429-31, Jun 75 (Fre)

Sauerheber RD

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

Sawh PC

A COMPARISON OF THE EFFECTS OF OUBAIN ON SUGAR AND SODIUM TRANSPORT AND ON CONTRACTILE ACTIVITY OF ISOLATED ATRIA. Bihler I, Sawh PC *Proc West Pharmacol Soc* 18: 106-9, 1975 (Eng)

Scarth SC

ANAESTHESIA FOR OPEN HEART SURGERY IN THE CALF. Gerring EL, Scarth SC *Br J Anaesth* 46: 455-60, Jun 74 (Eng)

Schally AV

LETTER: IMMUNOHISTOCHEMICAL LOCALIZATION OF SOMATOSTATIN IN THE RAT PANCREAS. Pelletier G, Leclerc R, Arimura A, Schally AV *J Histochem Cytochem* 23: 699-702, Sep 75 (Eng)

THE REGIONAL DISTRIBUTION OF SOMATOSTATIN IN THE RAT BRAIN. Brownstein M, Arimura A, Sato H, Schally AV, Kizer JS *Endocrinology* 96: 1456-61, Jun 75 (Eng)

Schedl HP

DEPRESSED DUODENAL CALCIUM ABSORPTION IN THE DIABETIC RAT: RESTORATION BY SOLANUM MALACOXYLON. Schneider LE, Wasserman RH, Schedl HP *Endocrinology* 97: 649-53, Sep 75 (Eng)

Schendel H

EFFECT OF RIBOFLAVIN ON PLASMA GROWTH HORMONE AND SERUM IRON IN

MAN. Schendel H, Gordon A *Am J Clin Nutr* 28: 569-70, Jun 75 (Eng)

GLUTATHIONE REDUCTASE (blood, metabolism); HUMAN; INTESTINAL ABSORPTION; IRON (blood, metabolism); MALE; OXIDATION-REDUCTION; RIBOFLAVIN (pharmacodynamics); SELF MEDICATION; TRANSFERRIN (metabolism).

Schenk HD

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL)] Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ *Anaesthesist* 23: 101-4, Mar 74 (Ger)

Schepens CL

VARIATION OF ENERGY DENSITY IN ARGON LASER PHOTOCOAGULATION. Pomerantzeff O, Schepens CL *Arch Ophthalmol* 93: 1033-5, Oct 75 (Eng)

Schillinger E

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

Schlaepfer WW

EFFECTS OF ENERGY DEPRIVATION ON WALLERIAN DEGENERATION IN ISOLATED SEGMENTS OF RAT PERIPHERAL NERVE. Schlaepfer WW *Brain Res* 78: 71-81, 20 Sep 74 (Eng)

ANIMAL EXPERIMENTS; AZIDES (pharmacodynamics); CALCIUM (metabolism); CYANIDES (pharmacodynamics); DINITROPHENOLS (pharmacodynamics); ENERGY METABOLISM; GLUCOSE (metabolism); IN VITRO; IODOACETATES (pharmacodynamics); MALE; MICROSCOPY, ELECTRON; NERVE DEGENERATION; NEURONS (metabolism, physiology); PERIPHERAL NERVES (metabolism, pathology); RATS.

Schmidt K

[HEREDITARY DEFICIENCY OF ISOMALTASE AND SACCHARASE RESPONSIBLE FOR A MALABSORPTION SYNDROME (AUTHORS TRANSL)] Niessen KH, Brugmann G, Schmidt K *Klin Paediatr* 187: 163-70, Mar 75 (Ger)

Schmidt MFG

NUCLEOSIDE-DIPHOSPHATE DERIVATIVES OF 2-DEOXY-D-GLUCOSE IN ANIMAL CELLS. Schmidt MFG, Schwarz RT, Scholtissek C *Eur J Biochem* 49: 237-47, 1 Nov 74 (Eng)
CARBON RADIOISOTOPES; CHICK EMBRYO; DEOXY SUGARS (metabolism); DEOXYGLUCOSE (metabolism); DEOXYRIBONUCLEOTIDES (metabolism); FIBROBLASTS (metabolism); FUROSE (metabolism); GLUCOSEPHOSPHATES (biosynthesis); GLUCURONATES (metabolism); GUANOSINE (metabolism); ISOTOPE LABELING; TRITIUM; URIDINE DIPHOSPHATE SUGARS (biosynthesis); URIDINE (metabolism).

Schmitt EW

A CONVENIENT ESTERIFICATION OF INSULIN WITH BORON TRIFLUORIDE/METHANOL. Gattner HG, Schmitt EW, Naithani VK *Hoppe Seyler's Z Physiol Chem* 356: 1465-7, Sep 75 (Eng)

Schneider H

COUPLING OF GLYCINE AND ALANINE TRANSPORT TO RESPIRATION IN CELLS OF ESCHERICHIA COLI. Sprott GD, Dimock

K, Martin WG, Schneider H *Can J Biochem* 53: 262-8, Mar 75 (Eng)

Schneider LE

DEPRESSED DUODENAL CALCIUM ABSORPTION IN THE DIABETIC RAT: RESTORATION BY SOLANUM MALACOXYLON. Schneider LE, Wasserman RH, Schedl HP *Endocrinology* 97: 649-53, Sep 75 (Eng)
ANIMAL; ARGENTINA; CALCIUM (metabolism); CATTLE; DEPRESSION; CHEMICAL; DIABETES MELLITUS (metabolism, chemically induced); DUODENUM (metabolism); INTESTINAL ABSORPTION (drug effects); PLANT EXTRACTS (pharmacodynamics, therapeutic use); RATS; STREPTOZOTOCIN; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VITAMIN D (metabolism).

Schneider R

TUMOURS AND HORMONAL CHANGES PRODUCED IN RATS BY SUBCUTANEOUS INJECTIONS OF LINOETIC ACID HYDROPEROXIDE. Cutler MG, Schneider R *Food Cosmet Toxicol* 12: 451-9, Aug 74 (Eng)

Schneider V

ABNORMAL PANCREATIC GLUCAGON SECRETION AND POSTPRANDIAL HYPERGLYCEMIA IN DIABETES MELLITUS. Gerich JE, Lorenzi M, Karam JH, Schneider V, Forsham PH *JAMA* 234: 159-5, 13 Oct 75 (Eng)

Schneider W

CONTROL OF PLATELET GLYCOGENOLYSIS; ACTIVATION OF PHOSPHORYLASE KINASE BY CALCIUM. Gear AR, Schneider W *Biochim Biophys Acta* 392: 111-20, 5 May 75 (Eng)

Schnellbacher E

PLASMA GLYCOSPHINGOLIPIDS IN DIABETICS AND NORMALS. Kremer GJ, Atzpoden W, Schnellbacher E *Klin Wochenschr* 53: 637-8, 1 Jul 75 (Eng)

Schoenemann J

[SURGERY OF THE PANCREAS. RESULTS AND SEQUELAE] Schoenemann J *Internist (Berlin)* 16: 276-83, Jun 75 (Ger)
ABDOMINAL INJURIES (surgery); DIABETES MELLITUS (etiology); DRAINAGE; DUODENUM (surgery); HEMORRHAGE; GASTROINTESTINAL (etiology); HUMAN; JEJUNUM (surgery); LIPASE (therapeutic use); MALABSORPTION SYNDROMES (therapy, etiology); PANCREAS (surgery, injuries); PANCREATECTOMY (adverse effects, methods); PANCREATIC CYST (surgery); PANCREATIC FISTULA (etiology); PANCREATIC NEOPLASMS (surgery); PANCREATIN (therapeutic use); PANCREATITIS (etiology, surgery); PROGNOSIS; VATER'S AMPULLA (surgery).

Schofield JG

RELEASE OF GROWTH HORMONE FROM OX PITUITARY SLICES AFTER PRONASE TREATMENT. Schofield JG, Orci L *J Cell Biol* 65: 223-7, Apr 75 (Eng)
ANIMAL EXPERIMENTS; CATTLE; HISTOCYTOCHEMISTRY; IN VITRO; MICROSCOPY, ELECTRON; OSMOLAR CONCENTRATION; PITUITARY GLAND (secretion, drug effects, ultrastructure); POTASSIUM (pharmacodynamics); PRONASE (pharmacodynamics); SOMATOTROPIN (secretion); TIME FACTORS.

Scholle SF

EVIDENCE FOR BENEFICIAL EFFECT OF INTRAVENOUS GLUCOSE ON THE HEMODYNAMIC RESPONSE TO ACUTE ASPHYXIA. Scholle SF, Griggs DM *Jr Proc Soc Exp Biol Med* 148: 743-7, Mar 75 (Eng)

Scholtissek C

ACUTE DISEASE; ANIMAL EXPERIMENTS; ASPHYXIA (drug therapy, blood); BLOOD PRESSURE (drug effects); BLOOD SUGAR (analysis); BLOOD; CARBON DIOXIDE (blood); GLUCOSE (therapeutic use, administration & dosage, pharmacodynamics); HEART RATE (drug effects); HEART (drug effects); HEMODYNAMICS (drug effects); HYDROGEN-ION CONCENTRATION; INFUSIONS; PARENTERAL; ISOTONIC SOLUTIONS; LACTATES (blood); MANNITOL (administration & dosage, pharmacodynamics, therapeutic use); MYOCARDIUM (metabolism); OXYGEN (blood); RABBITS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Scholtissek C

NUCLEOSIDE-DIPHOSPHATE DERIVATIVES OF 2-DEOXY-D-GLUCOSE IN ANIMAL CELLS. Schmidt MFG, Schwarz RT, Scholtissek C *Eur J Biochem* 49: 237-47, 1 Nov 74 (Eng)

Schotman AJ

[RELATIONSHIP BETWEEN THE HEALTH OF HORSES AND FEEDING RATIONS CONSISTING OF PELLETED CONCENTRATIONS ALONE. II. CLINICOCHEMICAL EXAMINATION OF THE BLOOD(AUTHORS TRANSL.)] Bouwman H, Schotman AJ *Tijdschr Diergeneesk* 100: 138-45, 1 Feb 75 (Dut)

Schramm M

THE CATECHOLAMINE-RESPONSIVE ADENYLATE CYCLASE SYSTEM AND ITS MODIFICATION BY 5GUANYLYLIMIDODIPHOSPHATE. Schramm M *Adv Cyclic Nucleotide Res* 5: 105-15, 1975 (Eng)

ADENYL CYCLASE (blood); ANIMAL EXPERIMENTS; CATECHOLAMINES (pharmacodynamics); CELL MEMBRANE (enzymology, drug effects); DRUG SYNERGISM; ENZYME ACTIVATION (drug effects); ERYTHROCYTES (enzymology, drug effects); FROGS; GUANINE NUCLEOTIDES (pharmacodynamics); ISOPROTERENOL (pharmacodynamics); KINETICS; PHOSPHOLIPIDS (pharmacodynamics); PROPRANOLOL (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Schreiber MA

[INFLUENCE OF HORMONAL CONTRACEPTIVES UPON CARBOHYDRATE METABOLISM IN WOMEN WITH ABNORMAL GLUCOSE ASSIMILATION DURING PREVIOUS PREGNANCY (AUTHORS TRANSL.)] Engelhardt W, Schreiber MA, Elser H *Geburtshilfe Frauenheilkd* 35: 642-7, Aug 75 (Ger)

Schroter W

[SUGAR IN THE NUTRITION OF NEWBORN INFANTS AND YOUNG SUCKLINGS] Schroter W, Kraus H *Nutr Metab* 18 suppl 1: 143-56, 1975 (Ger)

ACETATES (metabolism); BLOOD SUGAR (metabolism); BRAIN (metabolism); DIABETES MELLITUS; DIETARY CARBOHYDRATES; ENERGY METABOLISM; FEMALE; HUMAN; INFANT NUTRITION; INFANT; NEWBORN; KETONE BODIES (metabolism); MILK; MILK, HUMAN; NUTRITIONAL REQUIREMENTS; PREGNANCY IN DIABETES; PREGNANCY.

Schrumpf E

THE EFFECT OF ATROPINE AND VAGOTOMY ON THE SECRETION OF GASTRIC INTRINSIC FACTOR (IF) IN MAN. Vatn MH, Semb LS, Schrumpf E *Scand J Gastroenterol* 10: 59-64, 1975 (Eng)

Schucher R

RELATION BETWEEN INSULIN AND GLUCOSE FLUX RATES IN THE DOG. Mitsuhashi

Diabetes Literature—Author Index

O, Schucher R, Kalant N *J Lab Clin Med* 86: 683-9, Oct 75 (Eng)

Schuller A

[SECRETORY TUMOR OF BETA-PANCREATIC CELLS. COMMENTS OF A CASE] Hawkins Carranza FG, Larrodera L, Ramirez A, Florez Tascon M, Schuller A *Rev Clin Exp* 138: 475-9, 15 Sep 75 (Spa)

Schultz HJ

[RISK FACTORS AND VASCULAR DISEASES. EPIDEMIOLOGIC STUDIES FROM A GENERAL PRACTICE] Schultz HJ *Z Allgemeinmed* 51: 929-38, 31 Jul 75 (Ger)

ADOLESCENCE; ADULT; AGED; CARDIOVASCULAR DISEASES (etiology); CEREBROVASCULAR DISORDERS (etiology); CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (complications); FEMALE; HUMAN; HYPERLIPIDEMIA (complications); HYPERTENSION (complications); INFANT; MALE; MIDDLE AGE.

Schultz K

HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltész G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)

Schwanengel H

[ADIPOSE TISSUE OF THE ABDOMINAL WALL IN MAN. HISTORY OF LITERATURE AND ELECTRON MICROSCOPIC STUDY CONCERNING THE MORPHOLOGICAL ADIPOSE TISSUE RESEARCH. II. OWN ELECTRON MICROSCOPIC STUDIES ON THE ABDOMINAL WALL ADIPOSE TISSUE IN MAN] Hegewald G, Barenwald G, Schwanengel H *Anat Anz* 136: 462-93, 1974 (Ger)

Schwarz RT

NUCLEOSIDE-DIPHOSPHATE DERIVATIVES OF 2-DEOXY-D-GLUCOSE IN ANIMAL CELLS. Schmidt MFG, Schwarz RT, Scholtissek C *Eur J Biochem* 49: 237-47, 1 Nov 74 (Eng)

Schweisheimer W

[NEW RESULTS IN DIABETES RESEARCH] Schweisheimer W *Med Lab (Stuttg)* 28: 132-4, Jun 75 (Ger)

ARTERIOSCLEROSIS (etiology); DIABETES MELLITUS; FEMALE; HUMAN; INSULIN (therapeutic use); ISLANDS OF LANGERHANS (transplantation); PANCREATICTOMY; PREGNANCY; TISSUE CULTURE.

Scott WA

THE USE OF INHIBITORS IN THE STUDY OF HORMONE MECHANISMS IN CELL CULTURE. Scott WA, Tomkins GM *Methods Enzymol* 40: 273-93, 1975 (Eng)

ANDROGENS (pharmacodynamics); ANTIMETABOLITES (pharmacodynamics); CELL MOVEMENT (drug effects); CELLS, CULTURED; COLCHICINE (pharmacodynamics); CYPROTERONE (pharmacodynamics); CYTOCHALASIN B (pharmacodynamics); DEMECOLCINE (pharmacodynamics); DNA (biosynthesis); GLUCOCORTICOIDS (pharmacodynamics); HORMONES (pharmacodynamics); METHODS; MITOSIS (drug effects); PROTEINS (biosynthesis); RNA (biosynthesis); TRANSLATION, GENETIC (drug effects); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; VINBLASTINE (pharmacodynamics).

Scow RO

EFFECT OF PROLACTIN ON LIPOPROTEIN LIPASE IN CROP SAC AND ADIPOSE TISSUE

OF PIGEONS. Garrison MM, Scow RO *Am J Physiol* 228: 1542-4, May 75 (Eng)

Seino Y

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

Semb LS

THE EFFECT OF ATROPINE AND VAGOTOMY ON THE SECRETION OF GASTRIC INTRINSIC FACTOR (IF) IN MAN. Vatn MH, Semb LS, Schrumpf E *Scand J Gastroenterol* 10: 59-64, 1975 (Eng)

Serra D

[DYSLIPIDEMIAS AND HORMONES] Orlandi F, Serra D *Minerva Med* 66: 3381-7, 3 Oct 75 (Ita)

Serrano R

PHYSIOLOGICAL SIGNIFICANCE OF GLUCOSE TRANSPORT IN ENTAMOEBA HISTOLYTICA. Serrano R, Reeves RE *Exp Parasitol* 37: 411-6, Jun 75 (Eng)

BINDING, COMPETITIVE; BIOLOGICAL TRANSPORT, ACTIVE; CARBON RADIOISOTOPES; DIFFUSION; ENTAMOEBA HISTOLYTICA (metabolism, growth & development); GLUCOSE (metabolism); GLUCOSEPHOSPHATES (metabolism); INULIN (metabolism); KINETICS; MANNOSE (metabolism); PINOCYTOSIS; TEMPERATURE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; XYLOSE (metabolism).

Setchell BP

PROCEEDINGS: BLOOD FLOW AND SUBSTRATE UPTAKE AND OXIDATION IN THE HIND LIMB MUSCLES OF SHEEP. Domanski A, Linksy DB, Setchell BP *J Physiol (Lond)* 242: 28-29P, Oct 74 (Eng)

Seto H

EFFECT OF GLUCOSE AND ITS ANALOGUES ON THE ACCUMULATION AND RELEASE OF CYCLIC ADENOSINE 3,5-MONOPHOSPHATE IN A MEMBRANE FRACTION OF ESCHERICHIA COLI: RELATION TO BETA-GALACTOSIDASE SYNTHESIS. Seto H, Nagata Y, Maruo B *J Bacteriol* 122: 669-75, May 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism, pharmacodynamics); ADENYL CYCLASE (metabolism); CELL FRACTIONATION; CELL MEMBRANE (metabolism); DEOXY SUGARS (pharmacodynamics); DEOXYGLUCOSE (pharmacodynamics); ENZYME REPRESSION (drug effects); ESCHERICHIA COLI (metabolism, enzymology); GALACTOSIDASES (biosynthesis); GLUCOSE (pharmacodynamics); GLUCOSEPHOSPHATES (pharmacodynamics); PHOSPHODIESTERASES (metabolism); SPHEROPLASTS; TRITIUM.

Shah JH

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannis E, Williams GA *Diabetes* 24: 922-5, Oct 75 (Eng)

ANTIGENS; BLOOD SUGAR (metabolism); FEMALE; HUMAN; HYPOTHYROIDISM (metabolism); INSULIN RESISTANCE; INSULIN (metabolism, blood, diagnostic use); MALE; METABOLIC CLEARANCE RATE.

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kurekja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

ADULT; BLOOD SUGAR; CALCIUM (blood); FEMALE; HUMAN; HYDROCORTISONE (blood); HYPOGLYCEMIA (physiopathology).

chemically induced); INSULIN; MALE; MIDDLE AGE; PARATHYROID GLANDS (physiopathology); PARATHYROID HORMONE (blood); PHOSPHATES, INORGANIC (blood).

Shah LP

DIABETES MELLITUS (A PSYCHOSOMATIC STUDY OF 147 CASES). Bagadia VN, Havaladar PP, Gada MT, Pradhan PV, Shah LP, Dhirawani MK. *J Postgrad Med* 21: 17-29, Jan 75 (Eng)

Shalipina VG

[PARTICIPATION OF ADRENERGIC MECHANISMS IN ACTIVATING INFLUENCES OF THE MIDBRAIN ON THE HYPOTHYROID-ADRENAL CORTEX SYSTEM] Shalipina VG, Filaretov AA. *Fiziol Zh SSSR* 61: 375-9, Mar 75 (Rus)

ADRENAL CORTEX HORMONES (analysis); ADRENAL GLANDS (analysis); ANIMAL EXPERIMENTS; BRAIN MAPPING; CEREBRAL CORTEX (analysis); CORTICOTROPIN-RELEASING HORMONE (analysis); CORTICOTROPIN (analysis); DOPAMINE (analysis); ELECTRIC STIMULATION; ENGLISH ABSTRACT; EPINEPHRINE (analysis); HIPPOCAMPUS (analysis); HYPOTHALAMUS (analysis); MEDIAN EMINENCE (analysis); MESENCEPHALON (analysis); NOREPINEPHRINE (analysis); PITUITARY GLAND (analysis); PITUITARY-ADRENAL SYSTEM (physiology); RABBITS; RETICULAR FORMATION (physiology); SYMPATHETIC NERVOUS SYSTEM (physiology); TEGMENTUM MESENCEPHALI (physiology).

Shannon IL

SUCROSE AND GLUCOSE CONCENTRATIONS OF FREQUENTLY INGESTED FOODS. Shannon IL, Wescott WB. *J Acad Gen Dent* 23: 37-43, May-Jun 75 (Eng)

BEVERAGES; FOOD ANALYSIS; GLUCOSE (analysis); SUCROSE (analysis); SPECIAL LIST DENTAL.

Shapiro YE

INTERVESICULAR PHOSPHOLIPID EXCHANGE. AN NMR STUDY. Barsukov LI, Shapiro YE, Viktorov AV, Volkova VI, Bystrov VF, Bergelson LD. *Chem Phys Lipids* 14: 211-26, May 75 (Eng)

Shasha SM

[VENTRICULAR ARRHYTHMIA DURING GLUCAGON TEST FOR PHEOCHROMOCYTOMA] Shasha SM, Better OS. *Harefuah* 89: 256-7, 16 Sep 75 (Heb)

CASE REPORT; ENGLISH ABSTRACT; EXTRASYSTOLE (chemically induced); FEMALE; GLUCAGON (adverse effects, diagnostic use); HUMAN; MIDDLE AGE; PHEOCHROMOCYTOMA (diagnosis).

Shaw WA

GLUCOSE TURNOVER IN THE EXERCISING DOG WITH CHEMICALLY INDUCED DIABETES AND THE EFFECT OF METHYLPREDNISOLONE. Isselkutz B Jr, Shaw WA. *Diabetes* 24: 915-21, Oct 75 (Eng)

Sheiretova E

[A STUDY OF RENAL FUNCTION USING RADIOISOTOPE METHODS IN PATIENTS WITH DIABETIC NEPHROPATHY] Astrug A, Sheiretova E, Ketskara S, Todorova L. *Vutr Boles* 13: 86-92, 1974 (Bul)

Shiotani T

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T. *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

Shliakhtina SE

[SHORT REVIEW OF THE RESULTS OF SCIENTIFIC STUDIES IN PEDIATRICS IN 1972] Efimova AA, Sagulka VV, Vintokina IS, Shliakhtina SE. *Pediatr* 58-64, Jan 74 (Rus)

Shreeve WW

HUMAN PLASMA TRIGLYCERIDE LABELING AFTER HIGH SUCROSE FEEDING. II. STUDY ON TRIGLYCERIDE KINETICS AND POSTHEPARIN LIPOLYTIC ACTIVITY. Wu CH, Shreeve WW. *Metabolism* 24: 755-66, Jun 75 (Eng)

Shui-Pong-Van

BILAYER STRUCTURE IN PHOSPHOLIPID-CYTOCHROME C MODEL MEMBRANES. Shui-Pong-Van, Griffith OH. *J Membr Biol* 20: 155-70, 1975 (Eng)

BINDING SITES; CYTOCHROME C; ELECTRON SPIN RESONANCE; HORSES; MATHEMATICS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; MOLECULAR CONFORMATION; MYOCARDIUM (enzymology); PHOSPHOLIPIDS; PROTEIN BINDING; PROTEIN CONFORMATION; STEARIC ACIDS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; WATER.

Shulman JA

NASAL MUCORMYCOSIS: EARLY DETECTION AND TREATMENT WITHOUT RADICAL SURGERY OR AMPHOTERICIN B. Pollock RA, Pratt RC, Shulman JA, Turner JS. *South Med J* 68: 1279-82, Oct 75 (Eng)

Shustval NF

[RELATION BETWEEN ATHEROSCLEROSIS AND DIABETES MELLITUS] Shustval NF. *Klin Med (Mosk)* 52: 81-8, Mar 74 (Rus)

ADULT; ARTERIOSCLEROSIS (etiology); ATHEROSCLEROSIS (etiology); COMPARATIVE STUDY; CORONARY DISEASE (etiology); CORONARY VESSELS (metabolism); DIABETES MELLITUS (complications, metabolism); DIABETIC ANGIOPATHIES (etiology); ENGLISH ABSTRACT; FEMALE; HUMAN; MALE; MIDDLE AGE.

Shwachman H

CORRELATION OF LACTASE ACTIVITY, LACTOSE TOLERANCE AND MILK CONSUMPTION IN DIFFERENT AGE GROUPS. Lebnthal E, Antonowicz I, Shwachman H. *Am J Clin Nutr* 28: 595-600, Jun 75 (Eng)

Siam AL

PRECAUTIONS IN PHOTOCOAGULATING PROLIFERATIVE DIABETIC RETINOPATHY. Siam AL. *Bull Ophthalmol Soc Egypt* 67: 113-18, 1974 (Eng)

DIABETIC RETINOPATHY (therapy); HUMAN; LIGHT COAGULATION (adverse effects).

Sidorova VF

[THE EFFECT OF PARTIAL HEPATECTOMY ON THE QUANTITY OF SOMATOTROPES IN RAT ADENOHYPOPHYSIS] Sidorova VF. *Bull Eksp Biol Med* 79: 97-100, Mar 75 (Rus)

ANIMAL EXPERIMENTS; ENGLISH ABSTRACT; HEPATECTOMY; HISTOCYTOCHEMISTRY; LIVER REGENERATION; MALE; PITUITARY GLAND (metabolism); PITUITARY GLAND, ANTERIOR (metabolism, cytology); RATS; SOMATOTROPIN (metabolism); TIME FACTORS.

Sigler MH

THE MECHANISM OF THE NATRIURESIS OF FASTING. Sigler MH. *J Clin Invest* 55: 377-87, Feb 75 (Eng)

ACTIVITIES OF DAILY LIVING; AMMONIA (urine); ANIONS; CHLORIDES (metabolism, urine); DIURESIS; FASTING; FEMALE;

GLUCOSE (metabolism, pharmacodynamics); HUMAN; HYDROGEN-ION CONCENTRATION; ION EXCHANGE; NATRIURESIS; PHOSPHATES (metabolism); POTASSIUM (urine, pharmacodynamics); SODIUM (pharmacodynamics, urine); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Silvestrini F

STABLE REDUCTION OF PLASMA GROWTH HORMONE (HGH) LEVELS DURING CHRONIC ADMINISTRATION OF 2-BR-ALPHA-ERGOCRYPTINE (CB-154) IN ACROMEGALIC PATIENTS. Chiodini PG, Liuzzi A, Botalla L, Oppizzi G, Muller EE, Silvestrini F. *J Clin Endocrinol Metab* 40: 705-8, Apr 75 (Eng)

Simenon S

[CHRONIC ZINC-BACITRACIN TOXICITY IN CHICKENS] Simenon S, Pashov D, Peinikova Ts, Dzhurow A. *Vet Med Nauki* 12: 100-5, 1975 (Bul)

ALANINE AMINOTRANSFERASE (analysis); ANIMAL EXPERIMENTS; ASPARTATE AMINOTRANSFERASE (analysis); BACITRACIN (toxicity, administration & dosage, pharmacodynamics); BLOOD CELL COUNT; BLOOD SUGAR (analysis); CHICKENS; DRUG COMBINATIONS; ENGLISH ABSTRACT; GROWTH (drug effects); HEMOGLOBINS (analysis); KIDNEY DISEASES (chemically induced, veterinary); KIDNEY TUBULES; ORGAN WEIGHT; POULTRY DISEASES (chemically induced); STIMULATION, CHEMICAL; ZINC (toxicity, administration & dosage, pharmacodynamics).

Simmons RL

LETTER: INCREASED SERUM CREATININE RESULTING FROM HYPERGLYCEMIA, MIMICKING TRANSPLANT REJECTION. Matas AJ, Simmons RL, Goetz FC, Kjellstrand CM, Najarian JS. *Ann Intern Med* 83: 519-20, Oct 75 (Eng)

Simon D

COFFEE DRINKING AND CANCER OF THE LOWER URINARY TRACT. Simon D, Yen S, Cole P. *J Natl Cancer Inst* 54: 587-91, Mar 75 (Eng)

AGED; CAFFEINE (adverse effects); COFFEE (adverse effects); CYCLAMATES (adverse effects); DOSE-RESPONSE RELATIONSHIP, DRUG; FEMALE; HUMAN; MASSACHUSETTS; MIDDLE AGE; QUESTIONNAIRES; RETROSPECTIVE STUDIES; RHODE ISLAND; SACCHARIN (adverse effects); SMOKING; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UROGENITAL NEOPLASMS (occurrence).

Simon KH

[SERUM LIPIDS: III. METHODS OF DEMONSTRATION] Simon KH. *Med Monatsschr* 29: 88-9, Feb 75 (Ger)

FATTY ACIDS, NONESTERIFIED (blood); FATTY ACIDS, UNSATURATED (blood); LIPIDS (blood); METHODS; PHOSPHOLIPIDS (blood).

Simons K

[THE STRUCTURE AND ACTION OF CELL MEMBRANES] Simons K. *Quoddecim* 90: 1653-62, 1974 (Fin) [23]

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT; BIOLOGICAL TRANSPORT, ACTIVE; CELL MEMBRANE PERMEABILITY; CELL MEMBRANE (ultrastructure); CELLS (ultrastructure, metabolism); ENERGY METABOLISM; HUMAN; MEMBRANE POTENTIALS; ORGANOIDS; REVIEW.

SIROOSPOUR D

Siroospour D

LUMBAR SYMPATHECTOMY IN THE TREATMENT OF PERIPHERAL VASCULAR OCCLUSIVE DISEASE. TEN YEAR STUDY. Berardi RS, Siroospour D *Am J Surg* 130: 309-14, Sep 75 (Eng)

Sitzmann FC

[BIOCHEMICAL AND CLINICAL FINDINGS IN CONGENITAL ABNORMALITIES OF GALACTOSE METABOLISM (AUTHORS TRANSL)] Sitzmann FC, Kaloud H, Istvan L *Wien Klin Wochenschr* 87: 12-8, 10 Jan 75 (Ger)

ADENOSINE TRIPHOSPHATE (metabolism); BLOOD SUGAR; CARBOHYDRATE ISOMERASES (metabolism); CHILD; PRESCHOOL; ENGLISH ABSTRACT; FEMALE; GALACTOSE (metabolism); GENETIC COUNSELING; GLUCOKINASE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); HETEROZYGOSE; HUMAN; LACTOSE INTOLERANCE (diagnosis, enzymology, familial & genetic); PEDIGREE; TRANSFERASES (metabolism).

Skala JP

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. I. GTP AS NUCLEOTIDE SUBSTRATE FOR HISTONE PHOSPHORYLATION. Skala JP, Knight BL *Biochim Biophys Acta* 385: 114-23, 14 Mar 75 (Eng)

ADENINE NUCLEOTIDES (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ADENOSINE TRIPHOSPHATE (metabolism); AGING; ANIMAL EXPERIMENTS; BROWN FAT (enzymology); CATTLE; CHICK EMBRYO; DOSE-RESPONSE RELATIONSHIP, DRUG; GUANOSINE TRIPHOSPHATE (metabolism); HISTONE KINASE (metabolism); HYDROGEN-ION CONCENTRATION; KINETICS; PROTEIN KINASE (antagonists & inhibitors, metabolism); RATS; SODIUM CHLORIDE (pharmacodynamics).

PROTEIN KINASES IN BROWN ADIPOSE TISSUE OF DEVELOPING RATS. II. TWO SOLUBLE KINASE ACTIVITIES AND THEIR AFFINITIES FOR NUCLEOTIDE AND PROTEIN SUBSTRATES. Knight BL, Skala JP *Biochim Biophys Acta* 385: 124-32, 14 Mar 75 (Eng)

Skjoldborg H

DIAGNOSIS AND TREATMENT OF PANCREATIC BETA-CELL TUMOR. Skjoldborg H, Olsen TS, Lundback K, Madsen B *Surg Annu* 7: 219-39, 1975 (Eng) [43]

ADULT; ANGIOGRAPHY (methods); CONTRAST MEDIA; DIAGNOSIS; DIFFERENTIAL; HUMAN; HYPERINSULINISM (etiology); HYPOGLYCEMIA (etiology); ISLET CELL TUMOR (diagnosis, surgery, drug therapy, occurrence, pathology, radiography); MIDDLE AGE; REVIEW.

Slater EC

MITOCHONDRIAL OXYGEN AFFINITY AS A FUNCTION OF REDOX AND PHOSPHATE POTENTIALS. Bienfait HF, Jacobs JM, Slater EC *Biochim Biophys Acta* 376: 446-57, 20 Mar 75 (Eng)

THE EFFECTS OF PHOSPHATE AND ELECTRON TRANSPORT ON THE CARBONYL CYANIDE M-CHLOROPHENYL-HYDRAZONE-INDUCED ATPASE OF RAT-LIVER MITOCHONDRIA. Bertina RM, Slater EC *Biochim Biophys Acta* 376: 492-504, 20 Mar 75 (Eng)

Slater JS

EFFECT OF CHANGES IN AMBIENT TEMPERATURE ON MATERNAL PLASMA AND ALLANTOIC FLUID FROM CHRONICALLY CATHETERISED EWES DURING THE LAST

Diabetes Literature—Author Index

TWO MONTHS OF PREGNANCY. Mellor DJ, Slater JS, Matheson IC *Res Vet Sci* 18: 219-21, Mar 75 (Eng)

Sloss RJ

RABBIT AORTIC HISTAMINE SYNTHESIS FOLLOWING SHORT-TERM CHOLESTEROL FEEDING. Hollis TM, Sloss RJ *Atherosclerosis* 21: 125-34, Mar-Apr 75 (Eng)

Smigielska H

[SURGERY AND DIABETES MELLITUS (AUTHORS TRANSL)] Litwin M, Panecka A, Smigielska H *Ann Univ Mariae Curie Sklodowska [Med]* 29: 255-62, 1974 (Pol)

Smirnov EA

[ABERRANT PANCREAS IN MECKELS DIVERTICULUM] Smirnov EA *Arkiv Patol* 37: 71-2, 1975 (Rus)

ADULT; CASE REPORT; FEMALE; HUMAN; ILEUM (abnormalities, pathology); ISLANDS OF LANGERHANS (abnormalities, pathology); MECKELS DIVERTICULUM (pathology); PANCREAS (abnormalities, pathology).

Smith PH

HUMAN ADIPOSE TISSUE LIPOPROTEIN LIPISE: COMPARISON OF ASSAY METHODS AND EXPRESSIONS OF ACTIVITY. Pukalisto OJ, Smith PH, Brunzell JD *Proc Soc Exp Biol Med* 148: 297-300, Jan 75 (Eng)

Smith T

TOTAL BODY POTASSIUM AND BODY FAT ESTIMATION IN RELATIONSHIP TO HEIGHT, SEX, AGE, MALNUTRITION AND OBESITY. Edmonds CJ, Jasani BM, Smith T *Clin Sci Mol Med* 48: 431-40, May 75 (Eng)

Smith WG

THE USE OF ENZYMOLOGY IN PHARMACOLOGICAL AND TOXICOLOGICAL INVESTIGATIONS*. Smith WG *Prog Med Chem* 10: 11-84, 1974 (Eng) [654]

CELL FRACTIONATION; CHEMISTRY, CLINICAL; DRUGS (metabolism); ENZYMES (analysis, blood, metabolism); GLUCONEOGENESIS; GLYCOLYSIS; HORMONES (metabolism); HUMAN; KINETICS; KREBS CYCLE; METHODS; REVIEW; UREA (metabolism).

Sodi-Pallares D

[PROTECTIVE EFFECT OF GLUCOSE-INSULIN-POTASSIUM SOLUTIONS IN MYOCARDIAL DAMAGE CAUSED BY EMETINE] de Micheli A, Medrano GA, Villarreal A, Sodi-Pallares D *Arch Inst Cardiol Mex* 45: 469-86, Jul-Aug 75 (Spa)

Soeldner JS

ALANINE-INDUCED AMINO ACID INTERRELATIONSHIPS. Rossini AA, Aoki TT, Ganda OP, Soeldner JS, Cahill GF Jr *Metabolism* 24: 1185-92, Oct 75 (Eng)

Sokolova II

[GLYCOGEN CONTENT OF THE LEUKOCYTES IN PATIENTS WITH DIABETES MELLITUS] Pavlov BA, Sokolova II *Klin Med (Mosk)* 52: 88-93, Mar 74 (Rus)

Soliman SF

GLYCEMIC EFFECT OF VENOM FROM THE SCORPION BUTHUS MINAX (L. KOCH). el-Asmar M, Soliman SF, Ismail M, Osman OH *Toxicol* 12: 249-51, May 74 (Eng)

Soltész G

HYPERAMINOACIDEMIA DUE TO THE ACCUMULATION OF GLUCONEOGENIC AMINO ACID PRECURSORS IN HYPOGLYCEMIC SMALL-FOR-GESTATIONAL AGE INFANTS. Mestyan J, Soltész G, Schultz K, Horvath M *J Pediatr* 87: 409-14, Sep 75 (Eng)

Somers G

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLLOCATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

Sommer P

ALCOHOLIC HYPERLIPIDEMIA. Stahelin HB, Nissen C, Sommer P, Widmer LK *Int J Vitam Nutr Res* 44: 507-20, 1974 (Eng)

Sonka J

THE INFLUENCE OF RADIOPROTECTIVE SUBSTANCES ON THE PENTOSE CYCLE. Kummel L, Sonka J *Aggressologie* 15: 253-60, 1974 (Eng)

Sonntag H

[ENERGY METABOLISM OF THE HUMAN HEART UNDER THE INFLUENCE OF ALTHESIN (GLAXO CT 1341) (AUTHORS TRANSL)] Sonntag H, Schenk HD, Donath U, Kettler D, Regensburger D, Kotseronis J, Bretschneider HJ *Anaesthesist* 23: 101-4, Mar 74 (Ger)

ADULT; ALTHESIN (pharmacodynamics); BLOOD SUGAR (metabolism); ENERGY METABOLISM (drug effects); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (metabolism); HEART RATE (drug effects); HUMAN; LACTATES (metabolism); MYOCARDIUM (metabolism); OXYGEN CONSUMPTION (drug effects); PREGNANEDIONES (pharmacodynamics); PYRUVATES (metabolism); VASCULAR RESISTANCE (drug effects).

Sorensen HR

METABOLIC STUDIES FOLLOWING THORACOTOMY FOR LUNG CANCER WITH PARTICULAR REFERENCE TO POSTOPERATIVE ATRIAL FIBRILLATION. Alstrup P, Sorensen HR *Scand J Thorac Cardiovasc Surg* 9: 149-53, 1975 (Eng)

Sosula L

RETINAL CAPILLARY JUNCTIONS: ULTRASTRUCTURAL TIGHT JUNCTION ARTIFACTS INDUCED BY SODIUM IONS AND MEMBRANE REDUCTION IN STREPTOZOTOCIN DIABETES. Sosula L *Cell Tissue Res* 161: 393-411, 25 Aug 75 (Eng)

ANIMAL; CALCIUM (pharmacodynamics); CAPILLARIES (ultrastructure); CAPILLARY PERMEABILITY; CELL MEMBRANE PERMEABILITY; CELL MEMBRANE (ultrastructure, drug effects); DIABETIC RETINOPATHY (pathology); ENDOTHELIUM (ultrastructure); FALSE POSITIVE REACTIONS; FEMALE; HISTOLOGICAL TECHNIQUES; INTERCELLULAR JUNCTIONS (ultrastructure); RATS; RETINAL VESSELS (ultrastructure); SODIUM (pharmacodynamics); STREPTOZOTOCIN.

Sova ZD

[LABORATORY DIAGNOSIS OF LIVER DISEASES IN THE HORSE. 2] Sova ZD *Tieraerztl Prax* 1: 311-20, 1973 (Ger)

ANIMAL EXPERIMENTS; BILIRUBIN (blood); BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); BLOOD; ENZYME TESTS (veterinary); HORSE DISEASES (diagnosis, blood); HORSES; LIPIDS (blood); LIVER DISEASES (veterinary, diagnosis); LIVER FUNCTION TESTS (veterinary).

Spaulding H

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF

EPINEPHRINE AND EPHEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pluetze B, Spaulding H, Summers R, Wood D *J Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

Speck U

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

Spellacy WN

EFFECTS OF FETAL SEX AND WEIGHT AND PLACENTAL WEIGHT ON MATERNAL SERUM PROGESTERONE AND CHORIONIC GONADOTROPIN CONCENTRATIONS. Spellacy WN, Conly PW, Cleveland WW, Buih WS *Am J Obstet Gynecol* 122: 278-82, 1 Jun 75 (Eng)

BIRTH WEIGHT; COMPARATIVE STUDY; FEMALE; FETUS (anatomy & histology); GONADOTROPINS, CHORIONIC (blood); HISTORY OF MEDICINE, 18TH CENT.; HUMAN; MALE; ORGAN WEIGHT; PLACENTA (anatomy & histology); PREGNANCY; PROGESTERONE (blood); PROSPECTIVE STUDIES; SEX FACTORS.

Spencer EF

VALUE OF PERIOPERATIVE ACID TESTS IN PREDICTING RECURRENT ULCERATION AFTER VAGOTOMY. Hood JM, Spencer EF, Macrae KD, Kennedy T *Br J Surg* 62: 665, Aug 75 (Eng)

Springer GF

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-CONTAINING MACROMOLECULES. Springer GF, Mittal KK, Terasaki PI, Desai PR, McIntire FC, Hirata AA *Z Immunitaetsforsch* 145: 166-75, May 75 (Eng)

ANTIBODY SPECIFICITY; CATTLE (immunology); DNA; ERYTHROCYTES (immunology); ESCHERICHIA COLI (immunology); FISHES; HISTOCOMPATIBILITY ANTIGENS; HL-A; IMMUNE SERUMS; INSULIN; LIPOPOLYSACCHARIDES; MACROMOLECULAR SYSTEMS; MUCIN; PLANTS; POLYSACCHARIDES; POLYSACCHARIDES, BACTERIAL; TRANSFERRIN.

Sprott GD

COUPLING OF GLYCINE AND ALANINE TRANSPORT TO RESPIRATION IN CELLS OF ESCHERICHIA COLI. Sprott GD, Dimock K, Martin WG, Schneider H *Can J Biochem* 53: 262-8, Mar 75 (Eng)

ADENOSINE TRIPHOSPHATE (metabolism); AEROBIOBIS; AIR; ALANINE (metabolism); ANAEROBIOBIS; BIOLOGICAL TRANSPORT; CHLORAMPHENICOL (pharmacodynamics); CYANIDES (pharmacodynamics); ESCHERICHIA COLI (metabolism, drug effects); FERRICYANIDES (pharmacodynamics); GLYCINE (metabolism); HELIUM (pharmacodynamics); OXYGEN CONSUMPTION (drug effects).

Srinivasan SR

LIPOPROTEIN-ACID-MUCOPOLYSACCHARIDE COMPLEXES OF HUMAN ATHEROSCLEROTIC LESIONS. Srinivasan SR, Radhakrishnamurthy B, Pargaoonkar PS, Berenson GS, Dolan P *Biochem Biophys Acta* 388: 58-70, 18 Apr 75 (Eng)

AORTA (pathology, analysis); ARTERIOSCLEROSIS (pathology); ATHEROSCLEROSIS (pathology); AUTOPSY; CALCIUM (analysis); CHOLESTEROL (analysis); CHONDROITIN (analysis); GEL

DIFFUSION TESTS; GEL FILTRATION; HEPARIN (analysis); HUMAN; HYALURONIC ACID (analysis); LIPOPROTEINS (analysis); LIPOPROTEINS, LDL (analysis); LIPOPROTEINS, VLDL (analysis); MACROMOLECULAR SYSTEMS; MUCOPOLYSACCHARIDES (analysis); PHOSPHOLIPIDS (analysis); ULTRACENTRIFUGATION; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; URONIC ACIDS (analysis).

Stach JL

[LETTER: PRACTICAL IMPORTANCE OF SORBITOL IN DIABETOLOGY] Heraud G, Roux E, Stach JL *Nouv Presse Med* 4: 2113 (2), 13 Sep 75 (Fre)

Stahelin HB

ALCOHOLIC HYPERLIPIDEMIA. Stahelin HB, Nissen C, Sommer P, Widmer LK *Int J Vitam Nutr Res* 44: 507-20, 1974 (Eng)

ALCOHOL DRINKING; ALCOHOL, ETHYL; ALCOHOLISM (complications); ANIMAL EXPERIMENTS; ARTERIAL OCCLUSIVE DISEASES (etiology); CHOLESTEROL (blood); CORONARY DISEASE (etiology); HYPERLIPIDEMIA (chemically induced, complications, blood); MALE; MIDDLE AGE; RATS; RISK; SMOKING; TIME FACTORS; TRIGLYCERIDES (blood).

Stahl M

NITROGEN LOSS IN NORMAL AND OBESE SUBJECTS DURING TOTAL FAST. Goschke H, Stahl M, Tholen H *Klin Wochenschr* 53: 605-10, 1 Jul 75 (Eng)

Stange E

[PROCEEDINGS: DIET-INDUCED LIPOPROTEIN CHANGES AND THEIR POSSIBLE SIGNIFICANCE IN ATHEROGENESIS IN RABBITS] Agostini B, Stange E, Hopker WW, Papenberg J *Verh Dtsch Ges Pathol* 58: 555, 1974 (Ger)

Stanton HC

EPINEPHRINE-INDUCED HYPERGLYCEMIA AND GLYCOGENOLYSIS IN FED AND FASTED NEONATAL SWINE. Stanton HC, Mueller RL *Biol Neonate* 25: 307-19, 1974 (Eng)

ANIMAL EXPERIMENTS; ANIMALS, NEWBORN; BLOOD SUGAR (metabolism); EPINEPHRINE (pharmacodynamics); FASTING; GLYCOGEN (metabolism); LIVER GLYCOGEN (metabolism); LIVER (drug effects); MUSCLES (metabolism, drug effects); STIMULATION, CHEMICAL; SWINE.

Starr JJ

DEGRADATION OF INSULIN IN SERUM BY INSULIN-SPECIFIC PROTEASE. Starr JJ, John DD, Rubenstein AH *J Lab Clin Med* 86: 631-7, Oct 75 (Eng)

ANTIGENS; FASTING; HUMAN; INSULIN (blood, immunology); INSULINASE (pharmacodynamics); IODINE RADIOISOTOPES; PEPTIDE HYDROLASES (pharmacodynamics); PROINSULIN (blood); RADIOIMMUNOASSAY (methods); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Stefanescu DT

XENON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciucu L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

Stegink LD

PLACENTAL TRANSFER OF GLUTAMATE AND ITS METABOLITES IN THE PRIMATE. Stegink LD, Pitkin RM, Reynolds WA, Filer LJ Jr, Boaz DP, Brummel MC *Am J Obstet Gynecol* 122: 70-8, 1 May 75 (Eng)

AMINO ACIDS (blood); AMNIOTIC FLUID (analysis); ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; FETUS (metabolism); GLUCOSE (metabolism); GLUTAMATES (metabolism, administration & dosage, blood); LACTATES (metabolism); MATERNAL-FETAL EXCHANGE; PLACENTA (metabolism); PREGNANCY; PREGNANCY, THIRD TRIMESTER; RHESUS MONKEYS; SODIUM GLUTAMATE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Stein SP

EMOTIONAL FACTORS IN JUVENILE DIABETES MELLITUS: A STUDY OF THE EARLY LIFE EXPERIENCES OF EIGHT DIABETIC CHILDREN. Stein SP, Charles ES *Psychosom Med* 37: 237-44, May-Jun 75 (Eng)

ADOLESCENCE; APPETITE DISORDERS (complications); BIRTH WEIGHT; CASE REPORT; DIABETES MELLITUS, JUVENILE (etiology); FEEDING BEHAVIOR; FEMALE; HUMAN; LABOR COMPLICATIONS; MALE; MOTHER-CHILD RELATIONS; PREDIABETIC STATE; PREGNANCY; PREGNANCY, UNWANTED; PSYCHOPHYSIOLOGIC DISORDERS (etiology); SATIATION; STRESS, PSYCHOLOGICAL.

Stein WD

ZERO-TRANS AND INFINITE-CIS UPTAKE OF GALACTOSE IN HUMAN ERYTHROCYTES. Ginsburg H, Stein WD *Biochim Biophys Acta* 382: 353-68, 25 Mar 75 (Eng)

Steinberg D

THE EFFECTS OF FREE FATTY ACID INFUSION ON GLUCOSE METABOLISM IN NORMAL AND STREPTOZOTOCIN-TREATED DOGS. Kotze JP, Steinberg D *S Afr Med J* 49: 1655-60, 20 Sep 75 (Eng)

Steinberg DM

THE ACCURACY OF METHODS OF DIAGNOSIS IN PATIENTS WITH SUSPECTED RECURRENT ULCER AFTER VAGOTOMY. Steinberg DM, Green G, Toye DK, Alexander-Williams S *Aust NZ J Surg* 45: 252-6, Aug 75 (Eng)

COMPARATIVE STUDY; DIAGNOSIS, DIFFERENTIAL; DYSPEPSIA (diagnosis); ENDOSCOPY; GASTRIC JUICE (secretion); HUMAN; INSULIN (diagnostic use); PENTAGASTRIN (diagnostic use); PEPTIC ULCER (diagnosis, surgery, radiography); POSTOPERATIVE COMPLICATIONS (diagnosis, radiography); RECURRENCE; VAGOTOMY.

Steinhausen HC

[THE CHRONICALLY ILL AND DISABLED CHILD: A PSYCHOLOGICAL TASK OF PAEDIATRICS. PART II: SPECIAL PROBLEMS OF VARIOUS DISEASES (AUTHORS TRANSL.)] Borner S, Steinhausen HC *Klin Paediatr* 187: 413-23, Sep 75 (Ger)

Stella GD

[EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT] Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

Stephan T

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-

Diabetes Literature—Author Index

Stepien A

HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

Stepien A

[MORPHOLOGICAL AND HISTOCHEMICAL RESEARCH OF THE RABBIT AORTA WITH EXPERIMENTAL CHOLESTEROL ATHEROMASIA AND ALLOXAN DIABETES (AUTHORS TRANSL)] Stepien A, Hanzlik J, Lopatynski J, Wolanski I *Ann Univ Mariae Curie Skłodowska [Med]* 29: 157-67, 1974 (Pol)

ALLOXAN DIABETES (pathology); ANIMAL; AORTA (pathology); ARTERIOSCLEROSIS (pathology); DIET, ATHEROGENIC; ENGLISH ABSTRACT; RABBITS.

Stere GN

XENON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciuca L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

Sterky G

CHEMICALLY DEFINED DIET IN THE TREATMENT OF KWASHIORKOR. Habbe D, Persson B, Sterky G *Acta Paediatr Scand* 64: 267-72, Mar 75 (Eng)

Sterling GH

EFFECT OF DIABETES ON GOLD THIOGLUCOSE LESIONS IN RATS. Kellar KJ, Sterling GH, O'Neill JJ *Proc West Pharmacol Soc* 18: 380-3, 1975 (Eng)

Stieber W

[VENOUS ARCHING IN DIABETIC RETINOPATHY (AUTHORS TRANSL)] Stieber W *Klin Monatsbl Augenheilkd* 166: 694, May 75 (Ger)

DIABETIC RETINOPATHY (diagnosis); ENGLISH ABSTRACT; FLUORESCENCE ANGIOGRAPHY; HUMAN; RETINAL VEIN.

Stock K

BIPHASIC EFFECT OF THE ALPHA-ADRENOXYLIC PHENTOLAMINE ON HORMONE-STIMULATED FORMATION OF CYCLIC ADENOSINE-3,5 MONOPHOSPHATE IN ISOLATED FAT CELLS OF RATS. Stock K, Thomas T *Metabolism* 24: 277-86, Mar 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (biosynthesis); ADIPOSE TISSUE (metabolism, drug effects); ANIMAL EXPERIMENTS; COMPARATIVE STUDY; CORTICOTROPIN (pharmacodynamics); DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; DRUG INTERACTIONS; EPHEDRINE (analogs & derivatives, pharmacodynamics); ISOPROTERENOL (pharmacodynamics); LIPIDS (metabolism); MALE; NOREPINEPHRINE (pharmacodynamics); PHENTOLAMINE (pharmacodynamics); RATS; STIMULATION, CHEMICAL; THEOPHYLLINE (pharmacodynamics); TIME FACTORS.

Storlien LH

LOCALIZATION OF CNS GLUCOREGULATORY INSULIN RECEPTORS WITHIN THE VENTROMEDIAL HYPOTHALAMUS. Storlien LH, Bellingham WP, Martin GM *Brain Res* 96: 156-60, 10 Oct 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); DIABETES MELLITUS (physiopathology); HYPOTHALAMUS (physiology); HYPOTHALAMUS, MEDIAL (physiology, drug effects); INSULIN (physiology, pharmacodynamics); MALE; RATS; RECEPTORS, HORMONE.

Stowers JM

CLINICAL TRIAL OF GLIBORNURIDE IN DIABETES. Logie AW, Stowers JM *Br Med J* 3: 514-5, 30 Aug 75 (Eng)

Strecker G

[IDENTIFICATION OF 4-DEOXY-D-THREOHEXULOSE (4-DEOXY-D-FRUCTOSE) IN HUMAN URINE] Strecker G *C R Acad Sci [D] (Paris)* 279: 1213-6, 30 Sep 74 (Fre)

DEOXY SUGARS (urine); DEOXYRIBOSE (metabolism); FRUCTOSE (analogs & derivatives, urine); HUMAN.

Street JC

EFFECTS OF VITAMIN E DEFICIENCY ON GSH-INDUCED SWELLING OF RAT LIVER MITOCHONDRIA. Alozie SO, Ellis LC, Johnson RM, Street JC *Proc Soc Exp Biol Med* 148: 929-32, Mar 75 (Eng)

Strelau K

[IMMUNOGLOBULIN G LEVEL IN THE SERUM OF PATIENTS WITH POLYNEUROPATHIES] Strelau K *Neurol Neurochir Pol* 9: 447-51, Jul-Aug 75 (Pol)

ADOLESCENCE; ADULT; AGED; CHILD; DIABETIC NEUROPATHIES (immunology); ENGLISH ABSTRACT; FEMALE; HUMAN; IGG (analysis); MALE; MIDDLE AGE; NERVOUS SYSTEM DISEASES (immunology); PERIPHERAL NERVE DISEASES (immunology); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Strickler RC

PROTEIN HORMONES IN GYNECOLOGY: BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS. Strickler RC *Obstet Gynecol Surv* 30: 289-303, May 75 (Eng) [182]

CHEMISTRY; FEMALE; FSH (physiology); GONADOTROPINS (physiology); GONADOTROPINS, CHORIONIC (physiology); GONADS (physiology); HORMONES (classification); HUMAN; LH (physiology); OVULATION; PITUITARY GLAND (physiology); PITUITARY HORMONE RELEASING HORMONES (physiology); PITUITARY HORMONES (classification); PLACENTA (physiology); PLACENTAL HORMONES (classification); PREGNANCY; PROLACTIN (physiology); REVIEW; SOMATOTROPIN RELEASING HORMONE (physiology).

Strong JP

DEPLETION OF AORTIC FREE AND ESTER CHOLESTEROL BY DIETARY MEANS IN RHESUS MONKEYS WITH FATTY STREAKS. Kokatnur MG, Malcom GT, Eggen DA, Strong JP *Atherosclerosis* 21: 195-203, Mar-Apr 75 (Eng)

Studlar M

[THE ACTION OF THE ANTIHYPERTENSIVE AGENT BENDIGON ON SERUM LIPIDS (AUTHORS TRANSL)] Studlar M *Med Klin* 70: 102-5, 17 Jan 75 (Ger)

ADULT; ANTIHYPERTENSIVE AGENTS (pharmacodynamics); BLOOD PRESSURE (drug effects); BLOOD SUGAR (analysis); CHOLESTEROL (metabolism); DIURETICS, SULFAMYL; DRUG COMBINATIONS; ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (metabolism); GLYCERIN (metabolism); HUMAN; INOSITOL (analogs & derivatives, pharmacodynamics); LACTATES (analysis); LIPIDS (blood, metabolism); LONG TERM CARE; MALE; MIDDLE AGE; NICOTINIC ACIDS (analogs & derivatives, pharmacodynamics); PYRUVATES (analysis); RESERPINE (pharmacodynamics); TRIGLYCERIDES (metabolism).

Sturdevant RA

EFFECTS OF THE OCTAPEPTIDE OF CHOLECYSTOKININ ON INSULIN AND GLUCAGON SECRETION IN THE DOG. Frame CM, Davidson MB, Sturdevant RA *Endocrinology* 97: 549-53, Sep 75 (Eng)

Sturgill TW

HORMONAL CONTROL OF CYCLIC AMP METABOLISM IN PARENTAL AND HYBRID SOMATIC CELLS. Maguire ME, Sturgill TW, Anderson HJ, Minna JD, Gilman AG *Adv Cyclic Nucleotide Res* 5: 699-718, 1975 (Eng)

Summers R

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPHEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetze B, Spaulding H, Summers R, Wood D *J Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

Summers VK

TREATMENT OF ACROMEGALY WITH BROMOCRYPTINE. Summers VK, Hipkin LJ, Diver MH, Davis JC *J Clin Endocrinol Metab* 40: 904-6, May 75 (Eng)

ACROMEGALY (drug therapy, blood); ADULT; AGED; BLOOD SUGAR (metabolism); ERGOLINES (therapeutic use); FASTING; FEMALE; HUMAN; MALE; MIDDLE AGE; SOMATOTROPIN (blood); TIME FACTORS; 2-BROMOERGOCRYPTINE (therapeutic use).

Sundaram K

A QUANTITATIVE APPROACH TO THE COMPARISON OF BIOMOLECULAR TOPOGRAPHIES. Sundaram K, Mahajan S, Mishra RK *Physiol Chem Phys* 6: 469-78, 1974 (Eng)

ANIMAL EXPERIMENTS; ANTIDEPRESSIVE AGENTS, TRICYCLIC (metabolism); BINDING SITES; CELL MEMBRANE (metabolism); MATHEMATICS; MODELS, BIOLOGICAL; MODELS, STRUCTURAL; MOLECULAR CONFORMATION; NEURONS (metabolism); NOREPINEPHRINE; PROTEIN BINDING; PROTEIN CONFORMATION; RECEPTORS, ADRENERGIC; RECEPTORS, DRUG; STILBENES.

Sundberg DK

THE EFFECT OF VARIOUS PROSTAGLANDINS AND A PROSTAGLANDIN SYNTHETASE INHIBITOR ON RAT ANTERIOR PITUITARY CYCLIC AMP LEVELS AND HORMONE RELEASE IN VITRO (38475). Sundberg DK, Fawcett CP, Illner P, McCann SM *Proc Soc Exp Biol Med* 148: 54-9, Jan 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; FSH (secretion); HYPOTHALAMUS, IN VITRO; INDOMETHACIN (pharmacodynamics); LH (secretion); LH-FSH RELEASING HORMONE (pharmacodynamics); MALE; PITUITARY GLAND (physiology); PITUITARY GLAND, ANTERIOR (physiology, metabolism, secretion); PITUITARY HORMONES, ANTERIOR (secretion); PROLACTIN (secretion); PROSTAGLANDINS (pharmacodynamics); RATS; SOMATOTROPIN (secretion); THYROTROPIN (secretion); TISSUE EXTRACTS (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Sundby F

CARBON-13 MAGNETIC RESONANCE STUDY OF STRUCTURAL AND DYNAMICAL FEATURES IN CARBAMYLATED INSULINS. Led JJ, Grant DM, Horton WJ, Sundby F, Vihelmsen K *J Am Chem Soc* 97: 5997-6008, 15 Oct 75 (Eng)

Sunder JH

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

Sunderman FW Jr

EFFECTS OF NIID UPON PLASMA GLUCAGON AND GLUCOSE IN RATS. Horak E, Sunderman FW Jr *Toxicol Appl Pharmacol* 33: 388-91, Aug 75 (Eng)

Suryawanshi SA

EFFECTS OF HYPOPHYSECTOMY & HYPOPHYSECTOMY ON THE BLOOD GLUCOSE & PLASMA CHOLESTEROL LEVELS IN THE LIZARD, UROMASTIX HARDWICKII (GRAY). Suryawanshi SA, Rangnekar PV *Indian J Exp Biol* 12: 337-9, Jul 74 (Eng)

ANIMAL EXPERIMENTS: BLOOD SUGAR (metabolism); CHOLESTEROL (blood); HYPOPHYSECTOMY; LIZARDS (physiology); PANCREAS (physiology); PANCREATECTOMY; PITUITARY GLAND (physiology); PITUITARY GLAND, ANTERIOR; TISSUE EXTRACTS (pharmacodynamics).

Sutherland EW

PREPARATION AND CHARACTERIZATION OF A HORMONE ANTAGONIST FROM ADIPOCYTES. Ho RJ, Bomboy JD, Wasner HK, Sutherland EW *Methods Enzymol* 37 pt b: 431-8, 1975 (Eng)

Suzuki S

DEMONSTRATION OF C-PEPTIDE IMMUNOREACTIVITY IN VARIOUS BODY FLUIDS AND CLINICAL EVALUATION OF THE DETERMINATION OF URINARY C-PEPTIDE IMMUNOREACTIVITY. Kaneko T, Munemura M, Oka H, Oda T, Suzuki S *Endocrinol Jpn* 22: 207-12, Jun 75 (Eng)

Svedmyr N

SUBACUTE ADMINISTRATION OF PENTERYTHRITOL TETRANICOTINATE (PERYCIT) TO MAN. Harthorn L, Svedmyr N *Atherosclerosis* 20: 65-8, Jul-Aug 74 (Eng)

Swierczek J

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS (FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

ANIMAL; BILE (secretion, analysis); CHOLESTEROL (analysis); FATTY ACIDS, NONESTERIFIED (analysis); GLUCAGON (pharmacodynamics, metabolism); MALE; PHOSPHOLIPIDS (analysis); RATS; SECRETORY RATE (drug effects).

Swierczynski J

THE EFFECT OF PROGESTERONE ON MONOVALENT CATION TRANSPORT INTO THE MITOCHONDRION. Swierczynski J, Aleksandrowicz Z, Zelewski L *Physiol Chem Phys* 5: 37-42, 1973 (Eng)

ANIMAL EXPERIMENTS; ANTIMYCIN A (pharmacodynamics); BIOLOGICAL TRANSPORT; CATIONS, MONOVALENT; IN VITRO; LITHIUM (metabolism); MITOCHONDRIA, LIVER (metabolism); MITOCHONDRIAL SWELLING (drug effects); OLIGOMYCIN (pharmacodynamics); POTASSIUM (metabolism); PROGESTERONE (pharmacodynamics); RATS; ROTENONE (pharmacodynamics); RUBIDIUM (metabolism); SODIUM (metabolism); SUCCINATES (pharmacodynamics).

Sybulski S

UMBILICAL CORD PLASMA ESTRADIOL LEVELS IN RELATION TO COMPLICATIONS OF PREGNANCY AND NEWBORN AND TO CORTISOL LEVELS. Sybulski S, Maughan GB *Biol Neonate* 27: 302-7, 1975 (Eng)

ESTRADIOL (blood); FEMALE; FETAL BLOOD; HUMAN; HYALINE MEMBRANE DISEASE (blood); HYDROCORTISONE (blood); INFANT, NEWBORN; PREGNANCY IN DIABETES (blood); PREGNANCY COMPLICATIONS (blood); PREGNANCY; PRURITUS (blood); RESPIRATORY DISTRESS SYNDROME (blood).

Syme G

THYROID CONTROL OF SMALL INTESTINAL OXYGEN CONSUMPTION AND THE INFLUENCE OF SODIUM IONS, OXYGEN TENSION, GLUCOSE AND ANAESTHESIA. Levin FJ, Syme G *J Physiol (Lond)* 245: 271-87, Feb 75 (Eng)

Syvalahti EK

SERUM GROWTH HORMONE, SERUM IMMUNOREACTIVE INSULIN AND BLOOD GLUCOSE RESPONSE TO ORAL AND INTRAVENOUS DIAZEPAM IN MAN. Syvalahti EK, Kanto JH *Int J Clin Pharmacol Biopharm* 12: 74-82, Jul 75 (Eng)

ADMINISTRATION, ORAL; ADULT; BLOOD SUGAR (metabolism); CLINICAL RESEARCH; DIAZEPAM (pharmacodynamics, blood); DOSE-RESPONSE RELATIONSHIP, DRUG; FEMALE; HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (blood, immunology); MALE; RADIOIMMUNOASSAY; SOMATOTROPIN (blood); STIMULATION, CHEMICAL.

Szabo G

[DIABETES MELLITUS AND ADDISON'S DISEASE] Boda Z, Orosz L, Misz M, Szabo G, Gergely P, Kulcsar A *Orv Hetil* 116: 2249-50, 21 Sep 75 (Hun)

Szalay GC

LETTER: NESIDIOBLASTOSIS IN FAMILIAL ENDOCRINE ADENOMATOSIS. Szalay GC *J Pediatr* 87: 498, Sep 75 (Eng)

ADENOMATOSIS, FAMILIAL ENDOCRINE (complications); HUMAN; ISLANDS OF LANGERHANS (pathology); PANCREATIC DISEASES (complications).

Szentkereszty B

EXPERIMENTAL PANCREAS TRANSPLANTATION. Bornemisza G, Furka I, Gyurko G, Szentkereszty B, Miko I *Acta Chir Acad Sci Hung* 15: 343-52, 1974 (Eng)

Szydlík P

FAILURE OF FREE FATTY ACIDS TO INFLUENCE DEGREE OF MYOCARDIAL INJURY FOLLOWING ACUTE CORONARY ARTERY OCCLUSION IN PIGS. Most AS, Capone RJ, Szydlík P, Bruno CA, DeVona TS *Cardiology* 59: 201-12, 1974 (Eng)

Szymanska M

A CASE OF ACUTE ADRENOCORTICAL FAILURE ON THE SECOND DAY FOLLOWING MITRAL COMMISSUROTOMY. Holdrowicz M, Szymanska M *Anaesth Resusc Intensive Ther* 2: 373-7, Oct-Dec 74 (Eng)

Tabata K

[RESULTS OF CONTROL SURVEY FOR BLOOD GLUCOSE DETERMINATION AND ITS EVALUATION (AUTHORS TRANSL)] Baba S, Kameno E, Mukai M, Tomita J, Tabata K *Jpn J Clin Pathol* 22: 751-5, Nov 74 (Jpn)

Tacconi MT

PROCEEDINGS: THE DISPOSITION OF L-(3-H)-NORADRENALINE BY THE ISOLATED EPIDIDYMAL FAT PAD OF THE RAT AND THE EFFECT OF ANTILIPOLYTIC AGENTS. Bizzi A, Codegoni AM, Luzzani F, Manara L, Tacconi MT *Br J Pharmacol* 52: 449p-450p, Nov 74 (Eng)

Tausch HW Jr

CORRELATION OF DEXTROSTIX VALUES WITH TRUE GLUCOSE IN THE RANGE LESS THAN 50 MG/DL. Frantz ID 3d, Medina G, Tausch HW Jr *J Pediatr* 87: 417-20, Sep 75 (Eng)

Takahashi M

ACYL INTERMEDIATES IN PENICILLOPEPSIN-CATALYSED REACTIONS AND A DISCUSSION OF THE MECHANISM OF ACTION OF PEPISINS. Takahashi M, Hofmann T *Biochem J* 147: 549-63, Jun 75 (Eng)

BINDING SITES; CATALYSIS; INSULIN (metabolism); PENICILLIUM; PEPTIDE PEPTIDOHYDROLASES (metabolism); PEPTIDES (metabolism); SWINE.

Takemoto T

SEX-DIFFERENCE IN THE RESPONSE TO DIFFERENT KINDS OF DIETARY CARBOHYDRATES IN RATS. Takemoto T *Tohoku J Exp Med* 115: 213-22, Mar 75 (Eng)

ADRENAL GLANDS (anatomy & histology); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); BODY WEIGHT (drug effects); DIETARY CARBOHYDRATES; FEEDING PATTERNS; FEMALE; FRUCTOSE (pharmacodynamics); GLUCOSE (pharmacodynamics); HEMOGLOBINS (analysis); KIDNEY (anatomy & histology); LIPIDS (analysis, blood); LIVER (analysis); MALE; ORGAN WEIGHT; RATS; SEX FACTORS; SPLEEN (anatomy & histology); STARCH (pharmacodynamics); SUCROSE (pharmacodynamics).

Taminato T

INTERACTION OF SOMATOSTATIN AND CALCIUM IN REGULATING INSULIN RELEASE FROM ISOLATED PANCREATIC ISLETS OF RATS. Taminato T, Seino Y, Goto Y, Imura H *Biochem Biophys Res Commun* 66: 928-34, 6 Oct 75 (Eng)

ANIMAL; CALCIUM (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); GLUCAGON (pharmacodynamics); IN VITRO; INSULIN (secretion); ISLANDS OF LANGERHANS (secretion, drug effects); MALE; RATS; SOMATOTROPIN RELEASE INHIBITING HORMONE (pharmacodynamics).

Tanaka I

[PROCEEDINGS: HYPERGLYCEMIA IN THE EARLY PHASE OF ALLOXAN ADMINISTRATION AND SYMPATHETIC NERVE INTERUPTION] Yasumitsu C, Matsuoka Y, Tanaka I *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Jpn)

Tandon HD

EFFECT OF DIETARY PROTEIN AND CHOLESTEROL ON ATHEROSCLEROSIS IN SWINE. Gupta PP, Tandon HD, Ramalingaswami V *Exp Mol Pathol* 22: 305-16, Jun 75 (Eng)

Taneva I

[THE CLINICAL PICTURE AND PATHOGENESIS OF HYPOGLYCEMIC HYPERSOMNOLENT STATES WITH PRESENTATION OF A SPECIAL CASE] Taneva I, Mishev P, Mitkov V *Khirurgia (Sofia)* 27: 429-30, 1974 (Bul)

CASE REPORT; FEMALE; HUMAN; HYPEROMNIA (complications); HYPOGLYCEMIA (complications); ISLET CELL

Tang M

TUMOR (complications); MIDDLE AGE; PANCREATIC NEOPLASMS (complications); SLEEP DISORDERS (complications).

Tang M

DILUTIONAL HYPONATREMIA DUE TO DIAZOXIDE-PRODUCED POLYDIPSIA. Tang M, Falk JL *Pharmacol Biochem Behav* 3: 115-9, Jan-Feb 75 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); BLOOD VOLUME; DIAZOXIDE (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; DRINKING BEHAVIOR (drug effects); HEMATOCRIT; HYPONATREMIA (physiopathology, chemically induced); MALE; OSMOLAR CONCENTRATION; RATS; SODIUM (blood); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; UREA (blood).

Taniguchi C

PROCEEDINGS; EFFECT OF INSULIN AND HYDROCORTISONE ON HEXOKINASE, LACTIC DEHYDROGENASE AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE, AND ENZYMIC CHANGES IN THE STREPTOZOTOCIN-INDUCED DIABETIC RATS. Murakami G, Narahara R, Kakishita S, Taniguchi C, Miyazawa M *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Eng)

Taskinen MR

ETHANOL-INDUCED ALTERATIONS OF GLUCOSE TOLERANCE, POSTGLUCOSE HYPOGLYCEMIA, AND INSULIN SECRETION IN NORMAL, OBESE, AND DIABETIC SUBJECTS. Nikkila EA, Taskinen MR *Diabetes* 24: 933-43, Oct 75 (Eng)

Taylor CB

CARBOHYDRATE AND LIPID METABOLISM IN THE ALASKAN ARCTIC ESKIMO. Feldman SA, Rubenstein AH, Ho K-J, Taylor CB, Lewis LA, Mikkelsen B *Am J Clin Nutr* 28: 588-94, Jun 75 (Eng)

Taylor GW

A COMPARISON OF FASTING SERUM LIPID CONCENTRATIONS AND LIPOPROTEIN PATTERNS IN PATIENTS WITH STENOSING AND DILATING FORMS OF PERIPHERAL ARTERIAL DISEASE. Greenhalgh RM, Taylor GW, Kaye J *J Cardiovasc Surg (Torino)* 16: 150-1, Mar-Apr 75 (Eng)

Taylor KW

VIRUSES IN EXPERIMENTAL AND HUMAN DIABETES. Taylor KW *Postgrad Med J* 50 SUPPL 3: 546-8, Aug 74 (Eng)

ANIMAL; COXSACKIE VIRUS INFECTIONS (complications); DIABETES MELLITUS (etiology); DISEASE MODELS, ANIMAL; ENCEPHALOMYOCARDITIS VIRUSES; ENTEROVIRUS INFECTIONS (complications); MICE; VIRUS DISEASES (complications).

Taylor RM

PROCEEDINGS; THE EFFECT OF PORTAL AND SYSTEMIC VENOUS DRAINAGE OF THE PANCREAS ON GLUCOSE AND INSULIN METABOLISM. Collin J, Taylor RM, Johnston ID *Br J Surg* 62: 660, Aug 75 (Eng)

Telford M

BLOOD GLUCOSE IN CRAYFISH-L. VARIATIONS ASSOCIATED WITH MOLTING. Telford M *Comp Biochem Physiol [A]* 47: 461-8, 1 Feb 74 (Eng)

ACCLIMATIZATION; ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CRAYFISH (metabolism); FEMALE; HEMOLYMPH (metabolism); MALE; METAMORPHOSIS, BIOLOGICAL; SEASONS; SEX FACTORS; SPECIES SPECIFICITY.

Diabetes Literature—Author Index

Temple NJ

A COLORIMETRIC METHOD FOR THE DETERMINATION OF DEOXYRIBONUCLEIC ACID IN ADIPOSE TISSUE. Curtis-Prior PB, Hanley T, Temple NJ *Analyst* 100: 106-10, Feb 75 (Eng)

Terasaki PI

SPECIFIC INHIBITION OF HL-A ALLOANTISERA BY VARIOUS CARBOHYDRATE-CONTAINING MACROMOLECULES. Springer GF, Mittal KK, Terasaki PI, Desai PR, McIntire FC, Hirata AA *Z Immunitaetsforsch* 145: 166-75, May 75 (Eng)

Terasaki WL

THE ROLE OF CYCLIC GMP IN THE REGULATION OF CYCLIC AMP HYDROLYSIS. Terasaki WL, Appleman MM *Metabolism* 24: 311-9, Mar 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ALLOSTERIC REGULATION; ANIMAL EXPERIMENTS; CATALYSIS; CHROMATOGRAPHY, DEAE-CELLULOSE; COMPARATIVE STUDY; DEPRESSION, CHEMICAL; ENZYME ACTIVATION (drug effects); ETHYLMALIMIDE (pharmacodynamics); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); KINETICS; MERCAPTOETHANOL (pharmacodynamics); MYOCARDIUM (enzymology); PHOSPHODIESTERASES (isolation & purification); RATS; STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Terjung RL

EFFECTS OF THYROID HORMONE ADMINISTRATION ON SKELETAL MUSCLE MITOCHONDRIA. Winder WW, Baldwin KM, Terjung RL, Holloszy JO *Am J Physiol* 228: 1341-5, May 75 (Eng)

Tervila L

[PREGNANCY AS A TRIGGER IN LATENT DISEASE] Tervila L *Duodecim* 91: 640-2, 1975 (Fin)

ANEMIA, HYPOCHROMIC; FEMALE; HUMAN; HYPERTENSION; LIVER CIRRHOSIS; PREDIABETIC STATE; PREGNANCY IN DIABETES; PREGNANCY COMPLICATIONS; PREGNANCY COMPLICATIONS, HEMATOLOGIC; PREGNANCY.

Tesoriero W

LETTER: PYRIDOXINE AND OESTROGEN-INDUCED GLUCOSE INTOLERANCE. Cornish EJ, Tesoriero W *Br Med J* 3: 649-50, 13 Sep 75 (Eng)

Teuscher A

[INDUCED HYPERGLYCEMIA AND THE CONCLUSIONS RESULTING FROM IT] Teuscher A, Hurni L *Rev Med Suisse Romande* 95: 315-24, May 75 (Fre)

ADULT; AGED; DIABETES MELLITUS (diagnosis); GLUCOSE TOLERANCE TEST (methods); HUMAN; MIDDLE AGE; PROGNOSIS.

Thapliyal JP

EFFECTS OF L-THYROXINE ON THE INTERMEDIARY METABOLISM OF THE SPOTTED MUNIA, LONCHURA PUNCTULATA. Thapliyal JP, Garg RK, Murty GS, Gupta SC *Gen Comp Endocrinol* 25: 31-5, Jan 75 (Eng)

ADIPOSE TISSUE (metabolism); ANIMAL EXPERIMENTS; BIRDS (physiology, metabolism); BLOOD PROTEINS; BLOOD SUGAR; CHOLESTEROL (blood, metabolism); DEPRESSION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; ESTERS; FATTY ACIDS (metabolism, blood); FATTY ACIDS,

NONESTERIFIED (blood); LIVER GLYCOGEN; LIVER (metabolism); MUSCLES (metabolism); STIMULATION, CHEMICAL; THYROXINE (pharmacodynamics).

Thees M

SUGAR TRANSPORT BY RENAL PLASMA MEMBRANE VESICLES CHARACTERIZATION OF THE SYSTEMS IN THE BRUSH-BORDER MICROVILLI AND BASAL-LATERAL PLASMA MEMBRANES Kinne R, Murer H, Kinne-Saffran E, Thees M, Sachs G *J Membr Biol* 21: 375-955, 1975 (Eng)

Thibaud D

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATCTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

Tholen II

NITROGEN LOSS IN NORMAL AND OBESE SUBJECTS DURING TOTAL FAST. Goschke H, Stahl M, Tholen H *Klin Wochenschr* 53: 605-10, 1 Jul 75 (Eng)

Thomaidis T

SYSTEMIC ALLERGIC REACTION TO INITIAL INSULIN THERAPY IN A JUVENILE DIABETIC. ENHANCED BLAST TRANSFORMATION TO INSULIN. Dacou-Voutetakis C, Thomaidis T, Roma E, Kalpini-Mavrou A, Economou-Mavrou C *Acta Paediatr Scand* 64: 773-6, Sep 75 (Eng)

Thomas BJ

SURVEY OF DIETARY POLICY AND MANAGEMENT IN BRITISH DIABETIC CLINICS. Truswell AS, Thomas BJ, Brown AM *Br Med J* 4: 7-11, 4 Oct 75 (Eng)

Thomas LJ

PROTOTYPE FOR AN IMPLANTABLE INSULIN DELIVERY PUMP. Thomas LJ, Bessman SP *Proc West Pharmacol Soc* 18: 393-8, 1975 (Eng)

ARTIFICIAL ORGANS; BIOMEDICAL ENGINEERING (instrumentation); ENDOCRINOLOGY (instrumentation); INSULIN (physiology).

Thomas T

BIPHASIC EFFECT OF THE ALPHA-ADRENOLYTIC PHENTOLAMINE ON HORMONE-STIMULATED FORMATION OF CYCLIC ADENOSINE-3,5-MONOPHOSPHATE IN ISOLATED FAT CELLS OF RATS. Stock K, Thomas T *Metabolism* 24: 277-86, Mar 75 (Eng)

Thompson JC

CHOLECYSTOKININ METABOLISM IN MAN AND DOGS. Thompson JC, Fender HR, Ramus NI, Villar HV, Rayford PL *Ann Surg* 182: 496-504, Oct 75 (Eng)

ANIMAL; CHOLECYSTOKININ (metabolism); DIABETES MELLITUS (metabolism); DOGS; DUODENAL ULCER (metabolism); FOOD; GASTRIN (metabolism); HALF-LIFE; HUMAN; KIDNEY (metabolism); RADIOIMMUNOASSAY; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; ZOLLINGER-ELLISON SYNDROME (metabolism).

Thompson R

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

Diabetes Literature—Author Index

Tracy RE

Thompson RN

CERTAIN NON-AUDITORY PHYSIOLOGICAL RESPONSES TO NOISES. Brown JE, Thompson RN, Folk ED *Am Ind Hyg Assoc J* 36: 285-91, Apr 75 (Eng)

Thompson TE

CHLORIDE FLUX IN BILAYER MEMBRANES: THE ELECTRICALLY SILENT CHLORIDE FLUX IN SEMISPHERICAL BILAYERS. Toyoshima Y, Thompson TE *Biochemistry* 14: 1518-24, 8 Apr 75 (Eng)

CHLORIDE FLUX IN BILAYER MEMBRANES: CHLORIDE PERMEABILITY IN AQUEOUS DISPERSIONS OF SINGLE-WALLED, BILAYER VESICLES. Toyoshima Y, Thompson TE *Biochemistry* 14: 1525-31, 8 Apr 75 (Eng)

Thoren L

METABOLIC RESPONSE TO INJURY. Thoren L *Surg Annu* 7: 53-70, 1975 (Eng) [148]
ADRENAL CORTX HORMONES (metabolism); ALDOSTERONE (metabolism); ANDROGENS (metabolism); CARBOHYDRATES (metabolism); CORTICOTROPIN (physiology); ENDOCRINE GLANDS (physiology); GLUCAGON (metabolism); HUMAN; HYDROCORTISONE (metabolism); INSULIN (metabolism); LIPIDS (metabolism); PITUITARY HORMONES, ANTERIOR (metabolism); PITUITARY HORMONES, POSTERIOR (metabolism); PROTEINS (metabolism); REVIEW; THYROID HORMONES (metabolism); WOUNDS AND INJURIES (physiopathology).

GLYCOGEN STORAGE IN RAT LIVER AND SKELETAL MUSCLE IN THERMAL TRAUMA. I. EFFECT OF EXOGENOUS INSULIN. Hessman Y, Thoren L *Acta Chir Scand* 141: 385-92, 1975 (Eng)

Tichet J

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYDENDROMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

Tickle IJ

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING: THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

Tighe JR

THE MESANGIUM IN GLOMERULAR DISEASE. Tighe JR *Proc R Soc Med* 68: 151-8, Mar 75 (Eng)
ANTIBODIES; ANTIGENS; CELL DIVISION; CELL WALL (immunology); DIABETES MELLITUS (pathology, immunology); GLOMERULONEPHRITIS (pathology, immunology); HEMATURIA (diagnosis); HYPERTENSION (pathology); IGA (analysis); IMMUNOGLOBULINS (analysis); KIDNEY GLOMERULUS (immunology, pathology, cytology).

Tjalve H

SPECIFIC UPTAKE OF LABELLED N-NITROSOMETHYLEUREA IN THE PANCREATIC ISLETS OF CHINESE HAMSTERS. Tjalve H, Wilander E *Experientia* 31: 1061-2, 15 SEP 75 (Eng)
ANIMAL; AUTORADIOGRAPHY; COMPARATIVE STUDY; HAMSTERS; ISLANDS OF LANGERHANS (metabolism); METHYLNITROSOURA (metabolism); MICE; MICE, INBRED C57BL; NITROSOURA COMPOUNDS (metabolism).

UPTAKE OF LABELLED N-NITROSOMETHYLEUREA IN THE PANCREATIC ISLETS. Wilander E, Tjalve H *Virchows Arch [Pathol Anat]* 367: 27-33, 23 Jun 75 (Eng)

Tobin JD

AGING AND THE DISPOSITION OF GLUCOSE. Andres R, Tobin JD *Adv Exp Med Biol* 61: 239-49, 1975 (Eng)

Toca V

RELATIONSHIP OF RAISED ATHEROSCLEROTIC LESIONS TO FATTY STREAKS IN 19 LOCATION-RACE GROUPS. Tracy RE, Toca V *Atherosclerosis* 21: 21-36, Jan-Feb 75 (Eng)

Todorova L

[A STUDY OF RENAL FUNCTION USING RADIOISOTOPE METHODS IN PATIENTS WITH DIABETIC NEPHROPATHY] Astrug A, Sheiretova E, Ketskarova S, Todorova L *Vutr Boles* 13: 86-92, 1974 (Bul)

Todorovic M

[MELITURIA] Todorovic M *Med Pregl* 28: 163-9, 1975 (Ser)
CARBOHYDRATES (urine); DIABETES MELLITUS (diagnosis); GLYCOSURIA (diagnosis); HUMAN; PREDIABETIC STATE (diagnosis).

Tolis G

L-DOPA, GROWTH HORMONE AND ADIPOKINESIS IN THE LEAN AND THE OBESE. Pinter EJ, Tolis G, Friesen HG *Int J Clin Pharmacol Biopharm* 12: 277-80, Jul 75 (Eng)

Tomaszewski J

GLYCOSAMINOGLYCANS AND HYDROXYPROLINE OF RABBIT LENS IN THE COURSE OF ARTIFICIAL ATHEROSCLEROSIS AND ALLOXAN DIABETES. Hanzlik J, Tomaszewski J *Folia Biol (Krakow)* 23: 293-8, 1975 (Eng)

Tomita J

[RESULTS OF CONTROL SURVEY FOR BLOOD GLUCOSE DETERMINATION AND ITS EVALUATION (AUTHORS TRANSL)] Baba S, Kamen E, Mukai M, Tomita J, Tabata K *Jpn J Clin Pathol* 22: 751-5, Nov 74 (Jpn)

Tomkins GM

THE USE OF INHIBITORS IN THE STUDY OF HORMONE MECHANISMS IN CELL CULTURE. Scott WA, Tomkins GM *Methods Enzymol* 40: 273-93, 1975 (Eng)

Tomlinson RW

PROCEEDINGS: A METHOD FOR MEASURING SIMULTANEOUSLY THE BI-DIRECTIONAL NA⁺ AND CL⁻ FLUXES ACROSS A MEMBRANE. Tomlinson RW, Wood AW *J Physiol (Lond)* 242: 57P-58P, Oct 74 (Eng)
ANIMAL EXPERIMENTS; BROMIDES (metabolism); CELL MEMBRANE PERMEABILITY; CHLORIDES (metabolism); ELECTRIC CONDUCTIVITY; FROGS; IN VITRO; METHODS; RADIOISOTOPES; SKIN (metabolism); SODIUM ISOTOPES; SODIUM (metabolism).

Topper YJ

CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN. Topper YJ, Vonderhaar BK, Wilchek M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)
ANIMAL; CATTLE; CYANOGEN BROMIDE; DIAPHRAGM (drug effects); FEMALE; HUMAN; INSULIN (pharmacodynamics); LACTOSE SYNTHETASE (metabolism); MAMMAE (drug effects, enzymology); MICE;

MICE, OBESE; PLACENTAL LACTOGEN (pharmacodynamics); PREGNANCY; PROLACTIN (pharmacodynamics); SEPAPHORSE.

Torda T

ACTIVITY OF CATECHOLAMINE DEGRADING ENZYMES IN RAT ADRENAL MEDULLA AND CORTX AFTER ACUTE AND REPEATED STRESS. Kvetnansky R, Torda T, Jahnova E, Saleh N *Endocrinol Exp (Bratisl)* 9: 79-86, Jun 75 (Eng)

Touber JL

[HEART DEATH AND ORAL ANTIDIABETICS; THE LAST JUDGEMENT] Touber JL *Ned Tijdschr Geneesk* 119: 1506-8, 27 Sep 75 (Dut)
CARDIOVASCULAR DISEASES (chemically induced, mortality); CLINICAL RESEARCH; COMPARATIVE STUDY; DIABETES MELLITUS (drug therapy); DRUG EVALUATION; FEMALE; HUMAN; HYPOGLYCEMIC AGENTS (therapeutic use); INSULIN (adverse effects); MALE; MIDDLE AGE; PHENFORMIN (adverse effects); PROSPECTIVE STUDIES; TOLBUTAMIDE (adverse effects); UNITED STATES.

Towatari T

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

Toye DK

THE ACCURACY OF METHODS OF DIAGNOSIS IN PATIENTS WITH SUSPECTED RECURRENT ULCER AFTER VAGOTOMY. Steinberg DM, Green G, Toye DK, Alexander-Williams J *Aust NZ J Surg* 45: 252-6, Aug 75 (Eng)

Toyoshima Y

CHLORIDE FLUX IN BILAYER MEMBRANES: THE ELECTRICALLY SILENT CHLORIDE FLUX IN SEMISPHERICAL BILAYERS. Toyoshima Y, Thompson TE *Biochemistry* 14: 1518-24, 8 Apr 75 (Eng)
BINDING SITES; CHLORIDES; ELECTRIC CONDUCTIVITY; IODIDES; KINETICS; LECITHINS; MATHEMATICS; MEMBRANE POTENTIALS; MEMBRANES, ARTIFICIAL; PERMEABILITY; PHOSPHATIDYL CHOLINE; THIOSULFATES; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..
CHLORIDE FLUX IN BILAYER MEMBRANES: CHLORIDE PERMEABILITY IN AQUEOUS DISPERSIONS OF SINGLE-WALLED, BILAYER VESICLES. Toyoshima Y, Thompson TE *Biochemistry* 14: 1525-31, 8 Apr 75 (Eng)
BINDING SITES; CHLORIDES; EGG YOLK; HYDROGEN-ION CONCENTRATION; KINETICS; LECITHINS; MATHEMATICS; MEMBRANES, ARTIFICIAL; PERMEABILITY; PHOSPHATIDYL CHOLINE; SONICATION; TEMPERATURE; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; WATER.

Tracy RE

RELATIONSHIP OF RAISED ATHEROSCLEROTIC LESIONS TO FATTY STREAKS IN 19 LOCATION-RACE GROUPS. Tracy RE, Toca V *Atherosclerosis* 21: 21-36, Jan-Feb 75 (Eng)
ADULT; AGED; ARTERIOSCLEROSIS (pathology); ATHEROSCLEROSIS (occurrence); CAUCASIAN RACE; FATTY STREAK, ARTERIAL (pathology); HUMAN; MIDDLE AGE; NEGROID RACE; SOUTH AMERICA; UNITED STATES.

TRANDABURU T

Trandaburu T

IMMUNOHISTOLOGICAL DEMONSTRATION OF INSULIN AND GLUCAGON IN ISLET TISSUE OF REPTILES, AMPHIBIANS AND TELEOSTS USING F-¹²⁵I-EMBEDDED MATERIAL AND ANTIPORCINE HORMONE SERA. Lange RH, Ali SS, Klein C, Trandaburu T *Acta Histochem (Jena)* 52: 71-8, 1975 (Eng)

Truswell AS

SURVEY OF DIETARY POLICY AND MANAGEMENT IN BRITISH DIABETIC CLINICS. Truswell AS, Thomas BJ, Brown AM *Br Med J* 4: 7-11, 4 Oct 75 (Eng)

BLOOD SUGAR; BODY WEIGHT; CHOLESTEROL (blood); DIABETES MELLITUS (diet therapy, blood); DIABETIC DIET; DIETARY CARBOHYDRATES; DIETARY FATS; DIETARY PROTEINS; FATS, UNSATURATED; GREAT BRITAIN; HEALTH EDUCATION; HUMAN; TRIGLYCERIDES (blood).

DRUGS AND LIPID METABOLISM. Truswell AS *Proc Nutr Soc* 33: 215-24, Dec 74 (Eng)

ADIPOSE TISSUE (metabolism, drug effects); ANTICHOLESTEREMIC AGENTS (therapeutic use); BILE ACIDS AND SALTS (metabolism); CHOLESTEROL (metabolism); DRUG THERAPY (adverse effects); FATTY ACIDS, NONESTERIFIED (metabolism); FATTY LIVER (chemically induced); FEMALE; HUMAN; HYPERCHOLESTEREMIA (drug therapy); HYPERLIPIDEMIA (drug therapy); INTESTINAL ABSORPTION (drug effects); LIPIDS (metabolism, blood); LIPOPROTEIN LIPASE (metabolism); LIPOPROTEINS (blood); MALABSORPTION SYNDROMES (chemically induced); MALE; METABOLIC DISEASES (chemically induced, drug therapy); TRIGLYCERIDES (blood).

Trygstad O

LIPOTATROPHY PRODUCED IN MICE AND RABBITS BY A FRACTION PREPARED FROM THE URINE FROM PATIENTS WITH CONGENITAL GENERALIZED LIPODYSTROPHY. Foss I, Trygstad O *Acta Endocrinol (Kbh)* 80: 398-416, Oct 75 (Eng)

Tsang RC

STUDIES IN CALCIUM METABOLISM IN INFANTS WITH INTRAUTERINE GROWTH RETARDATION. Tsang RC, Gigger M, Oh W, Brown DR *J Pediatr* 88: 936-41, Jun 75 (Eng)

ACID-BASE EQUILIBRIUM; ACIDOSIS, RESPIRATORY (complications, drug therapy); ASPHYXIA NEONATORUM (complications); BICARBONATES (therapeutic use, adverse effects); BIRTH WEIGHT; BLOOD PROTEINS; BLOOD SUGAR; CALCIUM (metabolism, blood); GESTATIONAL AGE; GROWTH DISORDERS (embryology); HUMAN; HYPOCALCEMIA (occurrence, etiology); INFANT NUTRITION DISORDERS (metabolism); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (metabolism); MAGNESIUM (blood); NEUROLOGIC MANIFESTATIONS; PHOSPHORUS (blood); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Tudor UF

XENON ACCUMULATION IN THE RED BLOOD CELL. A PROCESS LATERED BY SUPPRESSORS OF THE MEMBRANE ACTIVE TRANSPORT FUNCTION. Dragomir CT, Stefanescu DT, Georgescu I, Stere GN, Ciucu L, Tudor UF, Chirvasie R *Biochim Biophys Acta* 389: 530-40, 21 May 75 (Eng)

Tulloch B

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-

Diabetes Literature—Author Index

HCL. Kissebah AH, Clarke P, Vydellingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kissebah AH, Hope-Gill H, Vydellingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

Turkington VE

STABILITY STUDIES OF TRIGLYCERIDES IN SERUM. Chu SY, Turkington VE *Clin Biochem* 8: 145-7, Apr 75 (Eng)

Turnbull AC

METABOLISM OF PROSTAGLANDIN F₂ALPHA WITHIN THE HUMAN UTERUS IN EARLY PREGNANCY. Keirse MJ, Williamson JG, Turnbull AC *Br J Obstet Gynaecol* 82: 142-5, Feb 75 (Eng)

Turner JS

NASAL MUCORMYCOSIS: EARLY DETECTION AND TREATMENT WITHOUT RADICAL SURGERY OR AMPHOTERICIN B. Pollock RA, Pratt RC, Shulman JA, Turner JS *South Med J* 68: 1279-82, Oct 75 (Eng)

Turner MD

SUCCESSFUL ORTHOTOPIC ALLOTRANSPLANTATION OF HEARTS FROM DOGS IN IRREVERSIBLE SHOCK. Culpepper RD, Kondo Y, Hardy JD, Turner MD *Surgery* 77: 126-31, Jan 75 (Eng)

Tutwiler GF

IN VITRO LIPOLYTIC EFFECT OF BOVINE PITUITARY DIABETOGENIC PROTEIN. Tutwiler GF *Biochim Biophys Acta* 404: 18-29, 8 Sep 75 (Eng)

ANIMAL; BIOLOGICAL ASSAY; CATTLE; CYCLOHEXIMIDE (pharmacodynamics); DIABETES MELLITUS (chemically induced); DOGS; EPINEPHRINE (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; GLYCERIN (blood); LIPID MOBILIZATION (drug effects); MOLECULAR WEIGHT; PHENTOLAMINE (pharmacodynamics); PITUITARY GLAND (physiology, analysis); PROPANOLOL (pharmacodynamics); PROTEINS (physiology, analysis); RATS; SOMATOTROPIN (physiology).

Tyson RR

COMPARISON OF LONG-TERM RESULTS OF 364 FEMOROPLOPITAL OR FEMOROTIBIAL BYPASSES FOR REVASCULARIZATION OF SEVERELY ISCHEMIC LOWER EXTREMITIES. Reichle FA, Tyson RR *Ann Surg* 182: 449-55, Oct 75 (Eng)

Uete T

ULTRA-MICROMETHOD FOR THE BIOCHEMICAL ANALYSIS OF CUTANEOUS CAPILLARY BLOOD. II. ELIMINATION OF BILIRUBIN AND HEMOGLOBIN INTERFERENCE IN THE GLUCOSE OXIDASE COLORIMETRIC METHOD FOR MEASURING BLOOD GLUCOSE. Uete T, Ninomiya Y *Clin Chim Acta* 59: 263-6, 10 Mar 75 (Eng)

BILIRUBIN (blood); BLOOD SUGAR (analysis); CAPILLARIES; COMPARATIVE STUDY; EVALUATION STUDIES; GLUCOSE OXIDASE; HEMOGLOBINS; HUMAN; INFANT, NEWBORN; METHODS; MICROCHEMISTRY; PLASMA (analysis).

Uim

ACTIVATION AND INACTIVATION OF PHOSPHORYLASE AND GLYCOGEN SYNTHETASE DURING PERFUSION OF RAT LIVER AS INFLUENCED BY EPINEPHRINE, GLUCAGON AND HYDROCORTISONE.

Saitoh Y, Uim M *Biochim Biophys Acta* 404: 7-17, 8 Sep 75 (Eng)

CARBOHYDRATE METABOLISM AND ITS RESPONSE TO CATECHOLAMINES AS MODIFIED IN ALKALOTIC RAT. Yajima M, Uim M *Am J Physiol* 228: 1046-52, Apr 75 (Eng)

Ursini F

[EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT] Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); GLUTAMATES (metabolism); HYDROXYBUTYRATES (metabolism); KETOGLUTARIC ACIDS (metabolism); LIPIDS (metabolism); MESENTERIC VEINS (surgery); MITOCHONDRIA, LIVER (metabolism); OXIDATIVE PHOSPHORYLATION; PSEUDOCOLINESTERASE (blood); RATS; SUCCINATES (metabolism); UREA (blood); VENA CAVA, INFERIOR (surgery).

Vaisrub S

EDITORIAL: PLATELET AGGREGATION. Vaisrub S *JAMA* 234: 417, 27 Oct 75 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics); ASPIRIN (pharmacodynamics); CEREBROVASCULAR DISORDERS (blood); CORONARY DISEASE (blood); GLUCOSE (pharmacodynamics); HUMAN; HYPERLIPIDEMIA (blood); PLATELET AGGREGATION (drug effects); TOLBUTAMIDE (pharmacodynamics).

Vaissade P

QUANTITATIVE VARIATIONS IN THE ABSORPTION OF GLUCOSE DURING DIGESTION OF MAIZE STARCH IN THE PIG. Rerat A, Aumaitre A, Vaugelade P, Vaissade P *Proc Nutr Soc* 33: 102a-103a, Dec 74 (Eng)

Valayer J

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labruune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

Vale W

IN VITRO PITUITARY HORMONE SECRETION ASSAY FOR HYPOPHYSIOTROPIC SUBSTANCES. Vale W, Grant G *Methods Enzymol* 37 pt b: 82-93, 1975 (Eng)

ANIMAL EXPERIMENTS; CELLS, CULTURED; HORMONE ANTAGONISTS (pharmacodynamics); LH-FSH RELEASING HORMONE (secretion); METHODS; PITUITARY GLAND (secretion); PITUITARY GLAND, ANTERIOR (secretion, drug effects); PITUITARY HORMONES (secretion); POTASSIUM (pharmacodynamics); PROSTAGLANDINS (pharmacodynamics); RATS; SOMATOTROPIN (secretion); THEOPHYLLINE (pharmacodynamics); THYROTROPIN RELEASING HORMONE (pharmacodynamics); THYROTROPIN (secretion); THYROXINE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

SOMATOSTATIN ANALOGS. RELATIVE IMPORTANCE OF THE DISULFIDE BRIDGE AND OF THE ALA-GLY SIDE CHAIN FOR BIOLOGICAL ACTIVITY. Rivier J, Brazeau P, Vale W, Guillemin R *J Med Chem* 18: 123-6, Feb 75 (Eng)

Van Bogaert LJ

[MAMMOGENIC, LACTOGENIC AND GALACTOPOIETIC HORMONES. REGULATION OF MAMMARY GROWTH AND FUNCTION] Van Bogaert LJ *Nouv Presse Med* 4: 2259-62, 27 Sep 75 (Fre)

ANIMAL; BREAST (physiology); CATECHOLAMINES (physiology); CORTICOTROPIN (physiology); DNA NUCLEOTIDYLTRANSFERASES (physiology); ENZYME INDUCTION; ESTROGENS (pharmacodynamics, physiology); FEMALE; GYNECOMASTIA (physiopathology); HUMAN; HYDROCORTISONE (physiology); HYPOPHYSECTOMY; INSULIN (physiology); LABOR; LACTATION (drug effects); LACTOSE SYNTHETASE (physiology); MAMMAE (physiology); MILK EJECTION; OXYTOCIN (physiology); PITUITARY GLAND, ANTERIOR (physiology); PREGNANCY; PROGESTERONE (pharmacodynamics, physiology); PROLACTIN (physiology); PROTEIN KINASE (physiology); PUBERTY.

Van Obberghen E

DYNAMICS OF INSULIN RELEASE AND MICROTUBULAR-MICROFILAMENTOUS SYSTEM. VII. DO MICROFILAMENTS PROVIDE THE MOTIVE FORCE FOR THE TRANSLATION AND EXTRUSION OF BETA GRANULES Van Obberghen E, Somers G, Devis G, Ravazzola M, Malaisse-Lagae F, Orci L, Malaisse WJ *Diabetes* 24: 892-901, Oct 75 (Eng)

ANIMAL; CALCIUM (pharmacodynamics); CYTOCHALASIN B (pharmacodynamics); CYTOSOLIC GRANULES; EXOCYTOSIS; GLICLAZIDE (pharmacodynamics); GLUCOSE (metabolism); INSULIN (secretion); ISLANDS OF LANGERHANS (secretion, ultrastructure, drug effects); LEUCINE (pharmacodynamics); MALE; MICROTUBULES (physiology); RATS; THEOPHYLLINE (pharmacodynamics); TIME FACTORS.

Van Orden DE

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

Van Orden LS

A MODIFICATION OF THE UNLABELED ANTIBODY ENZYME METHOD USING HETEROLOGOUS ANTISERA FOR THE LIGHT MICROSCOPIC AND ULTRASTRUCTURAL LOCALIZATION OF INSULIN, GLUCAGON AND GROWTH HORMONE. Erlandsen SL, Parsons JA, Burke JP, Redick JA, Van Orden DE, Van Orden LS *J Histochem Cytochem* 23: 666-77, Sep 75 (Eng)

Van Poperinghe M

[CONGENITAL HYPERGLYCEMIA WITHOUT KETOSIS] Piuassan C, Saudubray JM, Audebert M, Van Poperinghe M, Risbourg B *Pediatr* 30: 429-31, Jun 75 (Fre)

van Ypersele de Strihou C

METABOLIC COMPLICATIONS IN THE USE OF DIURETICS. van Ypersele de Strihou C *Adv Nephrol* 2: 241-50, 1972 (Eng)

ALKALOSIS (chemically induced, prevention & control); CHLOROTHIAZIDE (adverse effects); DIURETICS (adverse effects, pharmacodynamics); DIURETICS, THIAZIDE (adverse effects); HYPERCALCEMIA (chemically induced); HYPERGLYCEMIA (chemically induced); HYPOKALEMIA (chemically induced, prevention & control);

METABOLIC DISEASES (chemically induced, physiopathology); WATER INTOXICATION (chemically induced).

Vasilev VN

[THE FUNCTIONAL STATE OF THE SYMPATHETIC-ADRENAL AND PITUITARY-ADRENOCORTICAL SYSTEMS DURING CHRONIC NEURO-EMOTIONAL STRESS] Belova TA, Vasilev VN *Probl Endokrinol (Mosk)* 21: 27-32, Mar-Apr 75 (Rus)

Vassanelli P

[EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT] Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

Vatn MH

THE EFFECT OF ATROPINE AND VAGOTOMY ON THE SECRETION OF GASTRIC INTRINSIC FACTOR (IF) IN MAN. Vatn MH, Semb LS, Schruppf E *Scand J Gastroenterol* 10: 59-64, 1975 (Eng)

ATROPINE (pharmacodynamics); BLOOD SUGAR (metabolism); DEPRESSION, CHEMICAL; DUODENAL ULCER (surgery, metabolism); FEMALE; GASTRIC ACIDITY DETERMINATION; GASTRIC JUICE (secretion); GASTRIN (blood); HUMAN; HYDROGEN-ION CONCENTRATION; INTRINSIC FACTOR (secretion); MALE; PENTAGASTRIN (pharmacodynamics); PEPSIN (secretion); SECRETORY RATE (drug effects); STIMULATION, CHEMICAL; VAGOTOMY; VITAMIN B 12 (metabolism).

Vaugelade P

QUANTITATIVE VARIATIONS IN THE ABSORPTION OF GLUCOSE DURING DIGESTION OF MAIZE STARCH IN THE PIG. Rerat A, Aumaitre A, Vaugelade P, Vaisse P *Proc Nutr Soc* 33: 102a-103a, Dec 74 (Eng)

Vazquez Rodriguez JJ

[INSULIN SECRETION IN THE DIAGNOSIS OF PHEOCHROMOCYTOMA] Rinon Aguilar MC, Vazquez Rodriguez JJ, Nistal M, Sammartin P, Acosta M, Cerdan Vallejo A *Rev Clin Esp* 138: 425-32, 15 Sep 75 (Spa)

Venkitasubramanian TA

EFFECT OF AFLATOXINS ON OXIDATIVE PHOSPHORYLATION BY RAT LIVER MITOCHONDRIA Ramachandra Pai M, Jayanthi Bai N, Venkitasubramanian TA *Chem Biol Interact* 10: 123-31, Feb 75 (Eng)

Verdejo F

NEW ORAL ANTIDIABETIC DRUGS. SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIPS. Francia E, Marin A, Verdejo F, Sanchez MS, Morell J *Boll Chim Farm* 114: 379-92, Jul 75 (Eng)

Verdy M

[EFFECT OF CIGARETTES ON THE SERUM LEVELS OF GROWTH HORMONE AND TSH IN DIABETICS] Verdy M, Orsetti A, Baldet L, Puech-Cathala AM *Union Med Can* 104: 1356-9, Sep 75 (Fre)

ADULT; BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); DIABETES MELLITUS (blood, metabolism); ENGLISH ABSTRACT; HUMAN; MALE; MIDDLE AGE; SMOKING (complications); SOMATOTROPIN (blood); THYROTROPIN (blood).

Verhoef NJ

THE DIFFERENCE BETWEEN THE GLUCOSE CONCENTRATIONS IN PLASMA AND WHOLE BLOOD. Holtkamp HC, Verhoef NJ,

Leijnse B *Clin Chim Acta* 59: 41-9, 22 Feb 75 (Eng)

Vester JW

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

Vetesi F

MUCOID ENTERITIS IN THE RABBIT ASSOCIATED WITH E. COLI. CHANGES IN THE CARBOHYDRATE METABOLISM. Vetesi F, Kutas F *Acta Vet Acad Sci Hung* 24: 303-11, 1974 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); ENTERITIS (veterinary, metabolism); ESCHERICHIA COLI INFECTIONS (veterinary, metabolism); GLYCOGEN (metabolism); LIVER (metabolism); MUCUS (secretion); RABBITS.

Vetter H

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumebach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

Vidalon C

CLINICAL AND ULTRASTRUCTURAL OBSERVATIONS IN A KINDRED WITH NORMO-HYPERKALAEMIC PERIODIC PARALYSIS. Danowski TS, Fisher ER, Vidalon C, Vester JW, Thompson R, Nolan S, Stephan T, Sunder JH *J Med Genet* 12: 20-8, Mar 75 (Eng)

Vignais PV

ATPASE INHIBITOR FROM YEAST MITOCHONDRIA. PURIFICATION AND PROPERTIES. Satre M, de Jerphanion MB, Huet J, Vignais PV *Biochim Biophys Acta* 387: 241-55, 15 May 75 (Eng)

Vignes B

[NEONATAL HYPOGLYCEMIA DUE TO HYPERINSULINISM SECONDARY TO LANGERHANS POLYADENOMATOSIS. RECOVERY AFTER PANCREATECTOMY] Babinet JM, Labrune B, Vignes B, Thibaud D, Valayer J, Tichet J, Gubler JP *Arch Fr Pediatr* 32: 515-31, Jun-Jul 75 (Fre)

Vihelmsen K

CARBON-13 MAGNETIC RESONANCE STUDY OF STRUCTURAL AND DYNAMICAL FEATURES IN CARBAMYLATED INSULINS. Led JJ, Grant DM, Horton WJ, Sundby F, Vihelmsen K *J Am Chem Soc* 97: 5997-6008, 15 Oct 75 (Eng)

Viktorov AV

INTERVESICULAR PHOSPHOLIPID EXCHANGE. AN NMR STUDY. Barsukov LI, Shapiro YE, Viktorov AV, Volkova VI, Bystrov VF, Bergelson LD *Chem Phys Lipids* 14: 211-26, May 75 (Eng)

Vila T

[INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerrato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Esp* 138: 107-11, 31 Jul 75 (Spa)

Villanueva Aranguren L

[INHIBITION OF GH SECRETION BY NONESTERIFIED FATTY ACIDS WHEN STIMULATED BY GLUCAGON] Cabezas-Cerrato J, Villanueva Aranguren L, Casanueva F, Vila T, Fernandez-Cruz A *Rev Clin Esp* 138: 107-11, 31 Jul 75 (Spa)

Villanueva Gasca A

Villanueva Gasca A

[USE OF TOLBUTAMIDE IN DIABETES AND PREGNANCY] Villanueva Gasca A, Maria Garcia L, Lopez Villegas J, Nunez E *Ginecol Obstet Mex* 38: 133-7, Aug 75 (Spa)
ADULT; COMPARATIVE STUDY; DIABETES MELLITUS (drug therapy); DRUG EVALUATION; ENGLISH ABSTRACT; FEMALE; HUMAN; INFANT, NEWBORN; INSULIN (therapeutic use); MIDDLE AGE; PREGNANCY IN DIABETES (drug therapy); PREGNANCY; TOLBUTAMIDE (therapeutic use, adverse effects).

Villar HV

CHOLECYSTOKININ METABOLISM IN MAN AND DOGS. Thompson JC, Fender HR, Ramus NI, Villar HV, Rayford PL *Ann Surg* 182: 496-504, Oct 75 (Eng)

Villarreal A

[PROTECTIVE EFFECT OF GLUCOSE-INSULIN-POTASSIUM SOLUTIONS IN MYOCARDIAL DAMAGE CAUSED BY EMETINE] de Micheli A, Medrano GA, Villarreal A, Sodi-Palares D *Arch Inst Cardiol Mex* 45: 469-86, Jul-Aug 75 (Spa)

Vincent JE

LETTER: FAT MOBILISATION AND PLATELET AGGREGATION. Vincent JE *Lancet* 1: 799-800, 5 Apr 75 (Eng)
ANIMAL EXPERIMENTS; ARACHIDONIC ACIDS (pharmacodynamics, adverse effects); CLINICAL RESEARCH; FATTY ACIDS, NONESTERIFIED (blood); LIPID MOBILIZATION; PLATELET ADHESIVENESS (drug effects); PLATELET AGGREGATION (drug effects); RABBITS; THROMBOSIS (chemically induced).

Vincenti E

[EFFECTS OF MESENTERICO-CAVAL ANASTOMOSIS ON HEPATIC MITOCHONDRIAL METABOLISM AND FUNCTIONS IN THE RAT] Ursini F, Vincenti E, Manzi Ferri L, Gregolin C, Vassanelli P, Stella GD, Pelizzo MR, Bertani G, Rizzi B *Arch Sci Med (Torino)* 131: 206-10, Oct-Dec 74 (Ita)

Vinik AI

SOMATOSTATIN AND SERUM GASTRIN IN NORMAL SUBJECTS AND IN PATIENTS WITH PERNICIOUS ANAEMIA, CHRONIC LIVER AND RENAL DISEASE. Le Roith D, Vinik AI, Epstein S, Baron P, Olkenitzky MN, Pimstone BL *S Afr Med J* 49: 1601-4, 13 Sep 75 (Eng)

Vintovkina IS

[SHORT REVIEW OF THE RESULTS OF SCIENTIFIC STUDIES IN PEDIATRICS IN 1972] Efimova AA, Sagulka VV, Vintovkina IS, Shliakhtina SE *Pediatr* 58-64, Jan 74 (Rus)

Vivian S

ANTERIOR PITUITARY HORMONE RELEASE IN VITRO INVERSELY RELATED TO EXTRACELLULAR OSMOLARITY. Labella F, Dular R, Queen G, Vivian S *Endocrinology* 96: 1559-65, Jun 75 (Eng)

Volkova VI

INTERVESICULAR PHOSPHOLIPID EXCHANGE. AN NMR STUDY. Barsukov LI, Shapiro YE, Viktorov AV, Volkova VI, Bystrov VF, Bergelson LD *Chem Phys Lipids* 14: 211-26, May 75 (Eng)

von Ardenne M

[THEORETICAL ASPECTS OF FIGHTING CANCER RECURRENCE (AUTHORS TRANSL.)] von Ardenne M *Wien Klin Wochenschr* 87: 7-12, 10 Jan 75 (Ger)

Diabetes Literature—Author Index

ANTINEOPLASTIC AGENTS (therapeutic use); BLOOD SUGAR; CAPILLARIES (metabolism); CELL DIVISION; ENGLISH ABSTRACT; GLUCOSE (metabolism); HUMAN; HYDROGEN-ION CONCENTRATION; IMMUNOSUPPRESSION; KINETICS; LYSOSOMES (metabolism); NEOPLASM RECURRENCE, LOCAL (therapy, drug therapy, radiotherapy); OXYGEN CONSUMPTION; RADIO THERAPY DOSAGE.

Von Borcke S

STUDIES ON INHIBITION OF TSH STIMULATION OF ADENYL CYCLASE ACTIVITY IN THYROID PLASMA MEMBRANE PREPARATIONS BY PROPRANOLOL. Marshall NJ, Von Borcke S, Malan PG *Endocrinology* 96: 1513-9, Jun 75 (Eng)

STUDIES ON ISOPROTERENOL STIMULATION OF ADENYL CYCLASE IN MEMBRANE PREPARATIONS FROM THE BOVINE THYROID. Marshall NJ, von Borcke S, Malan PG *Endocrinology* 96: 1520-4, Jun 75 (Eng)

von Dorsche HH

[A CENTURY OF RESEARCH ON THE ISLANDS OF LANGERHANS. STAGE IN THE DEVELOPMENT OF DIABETES MELLITUS RESEARCH] Dittrich HM, von Dorsche HH *Anat Anz* 137: 470-8, 1975 (Ger)

Vonderhaar BK

CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN. Topper YJ, Vonderhaar BK, Wilchek M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)

Voyles N

THE EFFECT OF FASTING ON TISSUE CYCLIC CAMP AND PLASMA GLUCAGON IN THE OBESE HYPERGLYCEMIC MOUSE. Lavine RL, Voyles N, Perrino PV, Recant L *Endocrinology* 97: 615-20, Sep 75 (Eng)

Vydelingum N

THE ROLE OF CALCIUM IN INSULIN ACTION. III. CALCIUM DISTRIBUTION IN FAT CELLS; ITS KINETICS AND THE EFFECTS OF ADRENALINE, INSULIN AND PROCAINE-HCL. Kisebah AH, Clarke P, Vydelingum N, Hope-Gill H, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 339-49, 29 Jul 75 (Eng)

THE ROLE OF CALCIUM IN INSULIN ACTION. IV. MECHANISM OF INSULIN RESISTANCE IN ADIPOSE TISSUE OF OBESE (OB/OB) MICE AND OLD WISTAR RATS. Clarke PV, Kisebah AH, Hope-Gill H, Vydelingum N, Tulloch B, Fraser TR *Eur J Clin Invest* 5: 351-8, 29 Jul 75 (Eng)

Wacker A

[STUDIES ON NEW SULFONYLUREA DERIVATIVES AND THEIR METABOLITES IN ISOLATED LANGERHANS ISLETS OF THE RAT PANCREAS (AUTHORS TRANSL.) Krause U, Puchinger H, Wacker A *Arzneim Forsch* 25: 1231-3, Aug 75 (Ger)

Wade AJ

LETTER: IMPAIRED GLYCEROL CLEARANCE IN OBESITY. Wade AJ *Lancet* 2: 708, 11 Oct 75 (Eng)
DIABETES MELLITUS (metabolism); FEMALE; GLYCERIN (metabolism); HUMAN; MALE; OBESITY (metabolism).

Wahren J

FUEL HOMEOSTASIS IN EXERCISE. Felig P, Wahren J *N Engl J Med* 293: 1078-84, 20 Nov 75 (Eng)

Wajdowicz A

BILIARY SECRETION OF CHOLESTEROL, PHOSPHOLIPIDS, AND FREE FATTY ACIDS

(FFA) IN RATS TREATED WITH GLUCAGON. Swierczek J, Wajdowicz A, Dura K *Acta Med Pol* 16: 147-50, 1975 (Eng)

Wakabayashi M

[SOME PROBLEMS BEFORE ANALYZING BLOOD GLUCOSE (AUTHORS TRANSL.)] Wakabayashi M *Jpn J Clin Pathol* 22: 761-5, Nov 74 (Jpn)
ADULT; BLOOD SUGAR (analysis); FEMALE; HEMOLYSIS; HUMAN; INFANT, NEWBORN; JAUNDICE (blood); MALE; SEX FACTORS; SPECIMEN HANDLING; TEMPERATURE; TIME FACTORS.

Walczak M

[INSULIN ANTIBODIES IN DIABETES IN CHILDREN AT THE AGE OF PUBERTY] Walczak M, Michalkiewicz M, Piontek E, Paluszak W *Pediatr Pol* 50: 1113-8, Sep 75 (Pol)
ADOLESCENCE; CHILD; DIABETES MELLITUS, JUVENILE (immunology); ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN ANTIBODIES (analysis); MALE.

[IMMUNOREACTIVE INSULIN IN CHILDREN FOLLOWING ORAL ADMINISTRATION OF CAFFEINE] Walczak M, Michalkiewicz M, Piontek E *Pediatr Pol* 50: 1119-23, Sep 75 (Pol)
ADMINISTRATION, ORAL; ADOLESCENCE; AGE FACTORS; ANTIGENS; CAFFEINE (pharmacodynamics, administration & dosage); CHILD; COMPARATIVE STUDY; ENGLISH ABSTRACT; FEMALE; GLUCOSE (administration & dosage); HUMAN; INSULIN (immunology, blood); MALE.

Waldram R

MECHANISMS OF LIPID LOSS FROM THE SMALL INTESTINAL MUCOSA. Waldram R *Gut* 16: 118-124, Feb 75 (Eng)
ANIMAL EXPERIMENTS; CHOLESTEROL (metabolism); DNA (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); HYDROGEN-ION CONCENTRATION; ILEUM (anatomy & histology); IN VITRO; INTESTINAL MUCOSA (metabolism); INTESTINE, SMALL (metabolism); JEJUNUM (anatomy & histology); LIPIDS (metabolism); MALE; OLEIC ACIDS (metabolism); PHOSPHATIDYL CHOLINE (metabolism); PHOSPHATIDYL ETHANOLAMINE (metabolism); RATS; SODIUM CHLORIDE; TAUROCHOLIC ACID; TRIGLYCERIDES (metabolism).

Waldron-Edward D

[IN VITRO BIOSYNTHESIS OF THE MACROMOLECULES OF GASTRIC MUCOSA] Waldron-Edward D, Decaens C, Bader JP, Robert L *C R Acad Sci [D] (Paris)* 279: 1397-9, 14 Oct 74 (Fre)
AMINO ACIDS (metabolism); ANIMAL EXPERIMENTS; CARBOHYDRATES (metabolism); CARBON RADIOISOTOPES; CHROMATOGRAPHY, THIN LAYER; ELECTROPHORESIS, PAPER; FUCOSE (metabolism); GALACTOSE (metabolism); GASTRIC MUCOSA (metabolism); GLUCOSE (metabolism); GLYCOPROTEINS (biosynthesis); RATS.

Walldhaler A

[EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Ziler T, Walldhaler A, Ermler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)

Waley SG

THE REACTION OF PENICILLIN WITH PROTEINS. Corran PH, Waley SG *Biochem J* 149: 357-64, Aug 75 (Eng)

Warren R

AMPUTATIONS IN THE LOWER LIMB. Warren R *Surg Annu* 7: 331-46, 1975 (Eng) [8]

AMPUTATION (methods); ARTIFICIAL LIMBS; BACTERIAL INFECTIONS (rehabilitation); BANDAGES; DIABETIC ANGIOPATHIES (surgery, rehabilitation); DRAINAGE; EXERTION; HUMAN; ISCHEMIA; LEG (surgery, blood supply); LOCOMOTION; PATELLA: REVIEW; TENDONS, PARA-ARTICULAR; TIME FACTORS.

Wasilewska-Dziubinska E

INFLUENCE OF SODIUM PALMITATE ON THE CELLULAR ACTION OF POTENTIALS OF THE LEFT VENTRICLE OF ISOLATED, PERFUSED GUINEA-PIG HEART. Wasilewska-Dziubinska E, Czarnecka M, Beresiewicz A, Lewartowski B *Acta Physiol Pol* 26: 1-11, Jan-Feb 75 (Eng)

ACTION POTENTIALS (drug effects); ANIMAL EXPERIMENTS; DEPRESSION, CHEMICAL; GLUCOSE (metabolism); GLYCOLYSIS (drug effects); GUINEA PIGS; HEART VENTRICLE (cytology); HEART (drug effects, physiology); OXYGEN CONSUMPTION (drug effects); PALMITATES (pharmacodynamics, administration & dosage); PALMITIC ACIDS (pharmacodynamics); PERFUSION; SODIUM (pharmacodynamics, administration & dosage); TIME FACTORS.

Wasner HK

PREPARATION AND CHARACTERIZATION OF A HORMONE ANTAGONIST FROM ADIPOCYTES. Ho RJ, Bomboy JD, Wasner HK, Sutherland EW *Methods Enzymol* 37 pt b: 431-8, 1975 (Eng)

Wasserman RH

DEPRESSED DUODENAL CALCIUM ABSORPTION IN THE DIABETIC RAT: RESTORATION BY SOLANUM MALACOXYLON. Schneider LE, Wasserman RH, Schedl HP *Endocrinology* 97: 649-53, Sep 75 (Eng)

Waygood EB

THE CONTROL OF PYRUVATE KINASES OF ESCHERICHIA COLL II. EFFECTORS AND REGULATORY PROPERTIES OF THE ENZYME ACTIVATED BY RIBOSE 5-PHOSPHATE. Waygood EB, Rayman MK, Sanwal BD *Can J Biochem* 53: 444-54, Apr 75 (Eng)

ADENOSINE DIPHOSPHATE (pharmacodynamics); CHROMATOGRAPHY, DEAE-CELLULOSE; DRUG STABILITY; ENZYME ACTIVATION (drug effects); ESCHERICHIA COLI (enzymology, drug effects); GEL FILTRATION; HYDROGEN-ION CONCENTRATION; KINETICS; MOLECULAR WEIGHT; PENTOSEPHOSPHATES (pharmacodynamics); PYRUVATE KINASE (metabolism, isolation & purification); RIBONUCLEOTIDES (pharmacodynamics); RIBOSE; SUGAR PHOSPHATES (pharmacodynamics).

Weber H

RELATIONSHIP BETWEEN L-ALANINE AND SODIUM ION TRANSPORT IN ISOLATED RENAL TUBULES. Endou H, Reuter E, Weber H *Biochim Biophys Acta* 389: 516-29, 21 May 75 (Eng)

Weidmann P

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)

ADULT; AGED; ALDOSTERONE (blood); ANGIOTENSIN II (pharmacodynamics); ANGIOTENSIN (blood); BLOOD PRESSURE; CATECHOLAMINES (pharmacodynamics); COMPARATIVE STUDY; CORTICOTROPIN (pharmacodynamics); DIET, SALT-FREE; FEMALE; HUMAN; HYDROCORTISONE

(blood); KIDNEY FAILURE, CHRONIC (blood); MALE; MIDDLE AGE; POSTURE; POTASSIUM (blood); RENIN (blood).

Weidner F

DERMATITIS HERPETIFORMIS AND SMALL INTESTINAL LESION—NO STRICT ASSOCIATION IN GERMAN PATIENTS. Ruppert H, Weidner F, Domschke S, Domschke W, Classen M, Hornstein OP *Acta Hepatogastroenterol (Stuttg)* 22: 105-11, Apr 75 (Eng)

Weiner MW

MECHANISM OF ACTION OF AGENTS WHICH UNCOUPLE OXIDATIVE PHOSPHORYLATION: DIRECT CORRELATION BETWEEN PROTON-CARRYING AND RESPIRATORY-RELEASING PROPERTIES USING RAT LIVER MITOCHONDRIA. Cunarro J, Weiner MW *Biochim Biophys Acta* 387: 234-40, 15 May 75 (Eng)

Weir RD

DIABETES MELLITUS IN SCOTLAND. Weir RD, Dingwall-Fordyce I *Health Bull (Edinb)* 33: 90-2, Mar 75 (Eng)

ADULT; AGED; DIABETES MELLITUS (mortality, occurrence, therapy); ENGLAND; FEMALE; HUMAN; MALE; MIDDLE AGE; SCOTLAND; WALES.

Weismann I

PLASMA GLUCAGON RESPONSE TO ARGININE INFUSION IN CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS. Josefsberg Z, Laron Z, Doron M, Keret R, Belinski Y, Weismann I *Clin Endocrinol (Oxf)* 4: 487-92, Sep 75 (Eng)

Weller M

OBSERVATIONS ON THE BINDING OF ADENOSINE 3,5-MONOPHOSPHATE TO CELL MEMBRANE FRAGMENTS FROM OX CEREBRAL CORTEX. Weller M, Rodnight R *Biochim Biophys Acta* 389: 573-7, 21 May 75 (Eng)

ACETYLCHOLINE (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE DIPHOSPHATE (pharmacodynamics); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; BINDING SITES; BINDING, COMPETITIVE; CATTLE; CELL MEMBRANE (metabolism); CEREBRAL CORTEX (metabolism); DIBUTYRYL CYCLIC AMP (pharmacodynamics); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); HYDROGEN-ION CONCENTRATION; INOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); KINETICS; MAGNESIUM (pharmacodynamics); MEMBRANES (metabolism); MICROSOMES (metabolism); PROTEIN BINDING; RECEPTORS, DRUG; SYNAPTOSOMES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Wells JN

CYCLIC NUCLEOTIDE PHOSPHODIESTERASE ACTIVITIES OF PIG CORONARY ARTERIES. Wells JN, Baird CE, Wu YJ, Hardman JG *Biochim Biophys Acta* 384: 430-42, 19 Apr 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE; AGING; ANIMAL EXPERIMENTS; CADMIUM (pharmacodynamics); CALCIUM (pharmacodynamics); CHELATING AGENTS (pharmacodynamics); CHROMATOGRAPHY, DEAE-CELLULOSE; CORONARY VESSELS (enzymology, growth & development); ENZYME ACTIVATION; KINETICS; MAGNESIUM (pharmacodynamics); MANGANESE (pharmacodynamics); MUSCLE PROTEINS (physiology); PHOSPHODIESTERASES

(metabolism, isolation & purification); PLANTS (enzymology); SUBCELLULAR FRACTIONS (enzymology); SWINE; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Weltman AS

METABOLISM RATE, BIOCHEMICAL AND ENDOCRINE ALTERATIONS IN MALE WHIRLER MICE. Weltman AS, Sackler AM, Lewis AS, Johnson L *Physiol Behav* 5: 17-22, Jan 70 (Eng)

ADRENAL GLANDS (anatomy & histology, metabolism); AGE FACTORS; ANIMAL EXPERIMENTS; BASAL METABOLISM; BEHAVIOR, ANIMAL (physiology); BLOOD SUGAR (analysis); BODY WEIGHT; COMPARATIVE STUDY; CORTICOSTERONE (blood, metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); HEART (anatomy & histology); LEUKOCYTE COUNT; LIVER GLYCOGEN (metabolism); LIVER (enzymology); MALE; MICE (physiology); MOTOR ACTIVITY (physiology); MUTATION; ORGAN WEIGHT; OXYGEN CONSUMPTION; PHENOTYPE; SEMINAL VESICLES (anatomy & histology).

Wendt H

GLIFLUMIDE, A NEW ORAL ANTIDIABETIC OF HIGH POTENCY AND EFFICACY. Blumenbach L, Gerhards E, Gutsche H, Klein W, Loge O, Losert W, Schillinger E, Speck U, Vetter H, Wendt H *Int J Clin Pharmacol Biopharm* 12: 141-51, Jul 75 (Eng)

Wenke M

THE ABSENCE OF STIMULATION OF LIPOLYSIS BY PAPAVERINE, A STRONG INHIBITOR OF PHOSPHODIESTERASE. Hynie S, Wenke M *Eur J Pharmacol* 30: 230-7, Feb 75 (Eng)

Werch A

TOTAL URINARY ESTROGENS IN COMPLICATED PREGNANCIES. Acosta AA, Besch NF, Besch PK, Buttram VC Jr, Hinkley C, Haller WS, Werch A *South Med J* 68: 1211-8, Oct 75 (Eng)

Wescott WB

SUCROSE AND GLUCOSE CONCENTRATIONS OF FREQUENTLY INGESTED FOODS. Shannon IL, Wescott WB *J Acad Gen Dent* 23: 37-43, May-Jun 75 (Eng)

Wesolowska H

[SJOEGRENS SYNDROME WITH PROGRESSIVE SYSTEMIC SCLEROSIS AND PRIMARY DIABETES IN A 12-YEAR-OLD GIRL.] Wesolowska H, Ludwiczak H, Ferdynus J *Reumatologia* 13: 215-9, 1975 (Pol)

CASE REPORT; CHILD; DIABETES MELLITUS, JUVENILE (complications); ENGLISH ABSTRACT; FEMALE; HUMAN; SCLERODERMA, SYSTEMIC (complications); SJOEGRENS SYNDROME (complications).

Westall JR

THE EFFECT OF STREPTOZOTOCIN DIABETES ON THE LEVELS OF GLYCOLATE AND LACTATE EXCRETED IN RAT URINE. Metzger RP, Sauerheber RD, Lyons SA, Westall JR *Arch Biochem Biophys* 169: 555-9, Aug 75 (Eng)

Westermann KW

[COURSE OF CORONARY DISEASE. EVALUATION OF PROGNOSIS AND PROGRESSION OF CORONARY INSUFFICIENCY WITH ATRIAL PACING AND ERGOMETRY] Kugler G, Johannes E, Rodiger W, Westermann KW *Z Kardiol* 64: 245-54, Mar 75 (Ger)

Wexler BC

ADRENAL GLANDULAR LIPIDS AND CIRCULATING CORTICOSTERONE IN SEVERELY

Diabetes Literature—Author Index

Wexler M

DIABETIC RATS. Wexler BC, Lutmer RF *Br J Exp Pathol* 56: 299-306, Aug 75 (Eng)
ADRENAL GLANDS (metabolism, physiopathology); **ALLOXAN DIABETES** (metabolism, physiopathology); **ANIMAL**; **BLOOD SUGAR** (metabolism); **CORTICOSTERONE** (metabolism); **FATTY ACIDS, NONESTERIFIED** (metabolism); **FEMALE**; **LIPIDS** (metabolism); **LIVER** (metabolism); **PITUITARY-ADRENAL SYSTEM**; **RATS**; **TRIGLYCERIDES** (metabolism); **UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**

Wexler M

EFFECTS OF PORTACAVAL ANASTOMOSIS ON GLUCOSE TOLERANCE IN THE DOG: EVIDENCE OF AN INTERACTION BETWEEN THE GUT AND THE LIVER IN ORAL GLUCOSE DISPOSAL. Lickley HL, Chisholm DJ, Rabinovitch A, Wexler M, Dupre J *Metabolism* 24: 1157-68, Oct 75 (Eng)

Wheeler DD

AMINO ACID TRANSPORT IN PERIPHERAL NERVE: ENERGY AND SODIUM DEPENDENCE. Wheeler DD *J Neurochem* 24: 1197-202, Jun 75 (Eng)

ALANINE (metabolism); **AMINO ACIDS** (metabolism); **ANIMAL EXPERIMENTS**; **BIOLOGICAL TRANSPORT, ACTIVE**; **CHOLINE** (pharmacodynamics); **DINITROPHENOLS** (pharmacodynamics); **ENERGY TRANSFER; GLUTAMATES** (metabolism); **GLYCINE** (metabolism); **LITHIUM** (pharmacodynamics); **LYSINE** (metabolism); **PHENYLALANINE** (metabolism); **POTASSIUM** (pharmacodynamics); **PROLINE** (metabolism); **RANA CATESBEIANA**; **SCIATIC NERVE** (metabolism, drug effects); **SODIUM** (pharmacodynamics); **TEMPERATURE**; **TROMETHAMINE** (pharmacodynamics); **UNITED STATES GOVERNMENT SUPPORTED, N.I.H.**; **VALINE** (metabolism).

White RJ

CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN, TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF RANA CATESBEIANA. Byrne JJ, White RJ *Comp Biochem Physiol* [A] 50: 709-15, 1 Apr 75 (Eng)

Whitton PD

GLYCOGEN SYNTHESIS IN THE PERFUSED LIVER OF STREPTOZOTOCIN-DIABETIC RATS. Whitton PD, Hems DA *Biochem J* 150: 153-65, Aug 75 (Eng)
ANIMAL; **DIABETES MELLITUS** (metabolism, chemically induced); **FRUCTOSE** (pharmacodynamics); **GLUCOSE** (pharmacodynamics); **GLUCOSEPHOSPHATES** (metabolism); **GLYCOPHOSPHORYLASE** (metabolism); **GLYCOGEN SYNTHETASE** (metabolism); **LIVER GLYCOGEN** (biosynthesis); **LIVER** (metabolism, drug effects); **MALE**; **PERFUSION**; **RATS**; **STARVATION**; **STREPTOZOTOCIN**; **URIDINE DIPHOSPHATE GLYCOSE** (metabolism); **URIDINE DIPHOSPHATE SUGARS**.

Widdowson EM

BODY FAT OF BRITISH AND DUTCH INFANTS. Widdowson EM, Dauncey MJ, Gairdner DM, Jönxis JH, Pelikan-Filipkova M *Br Med J* 1: 653-5, 22 Mar 75 (Eng)
ADIPOSE TISSUE (analysis); **CATTLE**; **CHOLESTEROL** (blood); **ETHNIC GROUPS**; **FATTY ACIDS** (analysis); **FATTY ACIDS, UNSATURATED** (analysis); **GREAT BRITAIN**; **HUMAN**; **INFANT FOOD** (analysis); **INFANT NUTRITION**; **INFANT, NEWBORN**; **LINOLEIC ACIDS** (analysis); **MILK** (analysis); **MILK, HUMAN** (analysis); **NETHERLANDS**; **PALMITIC ACIDS** (analysis); **STEARIC ACIDS** (analysis).

Widmer LK

ALCOHOLIC HYPERLIPIDEMIA. Stahelin HB, Nissen C, Sommer P, Widmer LK *Int J Vitam Nutr Res* 44: 507-20, 1974 (Eng)

Wiklund L

EFFECTS OF ABDOMINAL SURGERY UNDER GENERAL ANAESTHESIA AND OF POSTOPERATIVE ANALGESIC THERAPY ON Splanchnic EXCHANGE OF SOME BLOOD BORNE ENERGY METABOLITES. Wiklund L, Jorfeldt L *Acta Anaesthesiol Scand [Suppl]* 41-58, 1975 (Eng)

ADULT; **ANESTHESIA, GENERAL**; **BLOOD SUGAR** (metabolism); **CHOLECYSTECTOMY**; **COMPARATIVE STUDY**; **FATTY ACIDS, NONESTERIFIED** (blood); **FEMALE**; **FENTANYL**; **GALLBLADDER DISEASES** (surgery); **GLYCERIN** (blood); **HUMAN**; **HYDROXYBUTYRATES** (metabolism); **INSULIN** (blood); **LACTATES** (blood); **LIDOCAINE**; **LIVER CIRCULATION**; **MALE**; **MIDDLE AGE**; **NERVE BLOCK**; **POSTOPERATIVE CARE**; **SPLANCHNIC NERVES** (metabolism).

Wilander E

SPECIFIC UPTAKE OF LABELLED N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS OF CHINESE HAMSTERS. Tjalve H, Wilander E *Experientia* 31: 1061-2, 15 SEP 75 (Eng)

[JUVENILE DIABETES MELLITUS--THEORIES ON ITS PATHOGENESIS] Wilander E *Lakartidningen* 72: 3208-10, 27 Aug 75 (Swe)

ANIMAL; **DIABETES MELLITUS, JUVENILE** (etiology, pathology); **ENGLISH ABSTRACT**; **HAMSTERS**; **HUMAN**; **ISLANDS OF LANGERHANS** (pathology); **VIRUS DISEASES** (complications).

UPTAKE OF LABELLED-N-NITROSOMETHYLUREA IN THE PANCREATIC ISLETS. Wilander E, Tjalve H *Virchows Arch [Pathol Anat]* 367: 27-33, 23 Jun 75 (Eng)

ANIMAL; **AUTORADIOGRAPHY**; **BLOOD SUGAR** (analysis); **DIABETES MELLITUS** (chemically induced); **ISLANDS OF LANGERHANS** (metabolism); **METHYLNITROSOUREA** (metabolism, pharmacodynamics); **MICE**; **MICE, INBRED C57BL**; **NITROSOUREA COMPOUNDS** (metabolism); **SPECIES SPECIFICITY**; **TRITIUM**.

Wilbrandt W

CRITERIA IN CARRIER TRANSPORT. Wilbrandt W *Biomembranes* 7: 11-31, 1975 (Eng) [22]

BIOLOGICAL TRANSPORT; **BIOLOGICAL TRANSPORT, ACTIVE**; **DIFFUSION**; **KINETICS**; **MATHEMATICS**; **MODELS**, **THEORETICAL**; **REVIEW**.

Wilchek M

CHARACTERIZATION OF SUPER-ACTIVE INSULIN, PROLACTIN AND PLACENTAL LACTOGEN. Topper YJ, Vonderhaar BK, Wilchek M, Oka T *Biochem Biophys Res Commun* 66: 793-8, 16 Sep 75 (Eng)

Wildenhoff KE

THE INFLUENCE OF DIABETIC REGULATION ON THE DIURNAL VARIATION IN BLOOD AND THE URINARY EXCRETION OF KETONE BODIES. STUDIES IN NEWLY DIAGNOSED DIABETICS. Wildenhoff KE *Acta Med Scand* 198: 127-33, Jul-Aug 75 (Eng)

ACETOACETATES (metabolism); **ADOLESCENCE**; **ADULT**; **AGED**; **BLOOD SUGAR** (metabolism); **DIABETES MELLITUS** (metabolism); **DIABETES MELLITUS, JUVENILE** (metabolism); **DIURNAL RHYTHM**; **GLYCOSURIA**; **HUMAN**; **HYDROXYBUTYRATES** (metabolism);

KETONE BODIES (metabolism, blood, urine); **MIDDLE AGE**; **OBESITY IN DIABETES** (metabolism).

Wildfeuer A

[GRANULOCYTE DYSFUNCTION. PART II. SECONDARY DEFECTS. (AUTHORS TRANSL.)] Niethammer D, Wildfeuer A, Kleihauer E, Haferkamp O *Klin Wochenschr* 53: 739-46, 15 Aug 75 (Ger)

Williams DJ

ENDOPLASMIC MEMBRANE AS A SOURCE AND A TARGET FOR CHEMICALLY REACTIVE METABOLIC INTERMEDIATES. Williams DJ, Parry G *Biochem Soc Trans* 3: 69-70, 1975 (Eng)

ACETAMIDES (pharmacodynamics); **BENZOPYRENES** (metabolism); **ENDOPLASMIC RETICULUM** (metabolism); **ESTRADIOL** (pharmacodynamics); **KINETICS**; **MEMBRANES** (metabolism, drug effects); **MICROSOMES** (metabolism, drug effects); **PROTEINS** (metabolism); **RIBOSOMES** (metabolism, drug effects); **RNA** (metabolism); **RNA, RIBOSOMAL** (metabolism); **TESTOSTERONE** (pharmacodynamics); **TIME FACTORS**.

Williams GA

INSULIN METABOLISM IN HYPOTHYROIDISM. Shah JH, Motto GS, Papagiannis E, Williams GA *Diabetes* 24: 9:2-5, Oct 75 (Eng)

STIMULATION OF THE SECRETION OF PARATHYROID HORMONE DURING HYPOGLYCEMIC STRESS. Shah JH, Motto GS, Kukreja SC, Hargis GK, Williams GA *J Clin Endocrinol Metab* 41: 692-6, Oct 75 (Eng)

Williams MJ

CELLULAR HYPERSENSITIVITY TO MITOCHONDRIAL ANTIGENS IN DIABETES MELLITUS AND ITS RELATIONSHIP TO THE PRESENCE OF CIRCULATING AUTOANTIBODIES. Richens ER, Irvine WJ, Williams MJ, Hartog M, Ancill RJ *Clin Exp Immunol* 17: 71-5, May 74 (Eng)

Williams R

ACID-BASE AND METABOLIC DISTURBANCES IN FULMINANT HEPATIC FAILURE. Record CO, Iles RA, Cohen RD, Williams R *Gut* 16: 144-9, Feb 75 (Eng)

Williams RH

FAREWELL TO PHENFORMIN FOR TREATING DIABETES MELLITUS. Williams RH, Palmer JP *Ann Intern Med* 83: 567-8, Oct 75 (Eng)

CARDIOVASCULAR DISEASES (chemically induced, mortality); **DIABETES MELLITUS** (drug therapy); **HUMAN**; **INSULIN** (therapeutic use); **PHENFORMIN** (therapeutic use, adverse effects); **TOLBUTAMIDE** (therapeutic use).

Williams RP

EFFECTS OF BACTERIAL CARDIO-STIMULATING SUBSTANCE ON CARDIAC METABOLISM IN DOGS. Lui CT, Williams RP *Arch Int Pharmacodyn Ther* 211: 280-90, Oct 74 (Eng)

Williamson DH

INTERACTIONS OF GLUCOSE, ACETOACETATE AND INSULIN IN MAMMARY GLAND SLICES OF LACTATING RATS. Williamson DH, McKeown SR, Ilic V *Biochem J* 150: 145-52, Aug 75 (Eng)

ACETOACETATES (pharmacodynamics, metabolism); **ANIMAL**; **FEMALE**; **GLUCOSE** (metabolism); **HYDROXYBUTYRATES** (metabolism); **INSULIN** (pharmacodynamics); **LACTATES** (metabolism); **LACTATION** (drug effects); **MAMMAE** (metabolism, drug effects); **PREGNANCY**; **PYRUVATES** (metabolism);

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Williamson JG

METABOLISM OF PROSTAGLANDIN F₂ALPHA WITHIN THE HUMAN UTERUS IN EARLY PREGNANCY. Keirse MJ, Williamson JG, Turnbull AC *Br J Obstet Gynaecol* 82: 142-5, Feb 75 (Eng)

Willms B

LIPODYSTROPHY OF THE EXTREMITIES. A DOMINANTLY INHERITED SYNDROME ASSOCIATED WITH LIPATROPHIC DIABETES. Kobberling J, Willms B, Kattermann R, Creutzfeldt W *Humangenetik* 29: 111-20, 10 Sep 75 (Eng)

[ANDROGEN STATUS OF MALE DIABETICS. TOTAL TESTOSTERONE BEFORE AND FOLLOWING STIMULATION WITH HCG, FREE TESTOSTERONE, AND TESTOSTERONE BINDING CAPACITY OF PATIENTS WITH AND WITHOUT POTENCY DISORDERS] Geithovell W, Niedrigerke U, Morgner KD, Willms B, Mitzkat HJ *Med Klin* 70: 1417-23, 5 Sep 75 (Ger)

Wilson L

CLOBETASONE BUTYRATE, A NEW TOPICAL CORTICOSTEROID: CLINICAL ACTIVITY AND EFFECTS ON PITUITARY-ADRENAL AXIS FUNCTION AND MODEL OF EPIDERMAL ATROPHY. Munro DD, Wilson L *Br Med J* 3: 626-8, 13 Sep 75 (Eng)

Winand RJ

BIOCHEMICAL STUDIES OF THE GLOMERULAR BASEMENT MEMBRANE IN THE DISEASED KIDNEY. Mahieu P, Winand RJ, Nussgens B *Adv Nephrol* 2: 25-34, 1972 (Eng) [29]

Winder WW

EFFECTS OF THYROID HORMONE ADMINISTRATION ON SKELETAL MUSCLE MITOCHONDRIA. Winder WW, Baldwin KM, Terjung RL, Holloszy JO *Am J Physiol* 228: 1341-5, May 75 (Eng)

ADMINISTRATION, ORAL; ANIMAL EXPERIMENTS; CYTOCHROME C (metabolism); CYTOCHROME OXIDASE (metabolism); DOSE-RESPONSE RELATIONSHIP, DRUG; GLYCEROLPHOSPHATE DEHYDROGENASE (metabolism); INJECTIONS, INTRAPERITONEAL; MALE; MITOCHONDRIA, LIVER (drug effects); MITOCHONDRIA, MUSCLE (drug effects, enzymology); OXYGEN CONSUMPTION (drug effects); PROTEINS (analysis); RATS; SUCCINATE DEHYDROGENASE (metabolism); THYROID HORMONES (pharmacodynamics, administration & dosage); THYROXINE (pharmacodynamics); TRIIODOTHYRONINE (pharmacodynamics); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Winer R

ROLE OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE REGULATION OF PLASMA POTASSIUM IN CHRONIC RENAL DISEASE. Weidmann P, Maxwell MH, Rowe P, Winer R, Massry SG *Nephron* 15: 35-49, 1975 (Eng)

Winston B

PREVENTION OF 6-HYDROXYDOPAMINE NEUROTOXICITY. Cohen G, Allis B, Winston B, Mytilineou C, Heikkila R *Eur J Pharmacol* 33: 217-21, Aug 75 (Eng)

Witschi H

POTENTIATION OF THE HEPATOTOXIC RESPONSES TO CHEMICALS IN ALLOXAN-DIABETIC RATS. Hanazono GK, Witschi H,

Plaa GL *Proc Soc Exp Biol Med* 149: 903-7, Sep 75 (Eng)

Wober G

THE METABOLIC ROLE OF DEBRANCHING ENZYMES. Palmer TN, Wober G *Biochem Soc Trans* 3: 53-6, 1975 (Eng)

Woenckhaus JW

[HIGHLY PURIFIED INSULINS IN THE MODERN TREATMENT OF DIABETES] Woenckhaus JW *Med Klin* 70: 1401-7, 5 Sep 75 (Ger) [49]

ANTIBODIES (analysis); CHROMATOGRAPHY; DIABETES MELLITUS (drug therapy); FEMALE; HUMAN; HYPERSENSITIVITY, DELAYED; HYPERSENSITIVITY, IMMEDIATE; INSULIN ANTIBODIES; INSULIN RESISTANCE; INSULIN (therapeutic use, adverse effects, standards); PROINSULIN; REVIEW; SWINE.

Wolanski I

[MORPHOLOGICAL AND HISTOCHEMICAL RESEARCH OF THE RABBIT AORTA WITH EXPERIMENTAL CHOLESTEROL ATHEROMASIA AND ALLOXAN DIABETES (AUTHORS TRANSL.)] Stepień A, Hanzlik J, Lopatynski J, Wolanski I *Ann Univ Mariae Curie Skłodowska [Med]* 29: 157-67, 1974 (Pol)

Wolf AP

TRITIUM LABELING OF AMINO ACIDS IN POLYPEPTIDE HORMONES. Hembree WC, Wolf AP, Ehrenkauser RE, Lieberman S *Methods Enzymol* 37 pt B: 313-21, 1975 (Eng)

Wood AW

PROCEEDINGS: A METHOD FOR MEASURING SIMULTANEOUSLY THE BI-DIRECTIONAL NA⁺ AND CL⁻ FLUXES ACROSS A MEMBRANE. Tomlinson RW, Wood AW *J Physiol (Lond)* 242: 57P-58P, Oct 74 (Eng)

Wood CB

CHRONIC PANCREATITIS IN CHILDHOOD ASSOCIATED WITH MUMPS VIRUS INFECTION. Wood CB, Bradbrook RA, Blumgart LH *Br J Clin Pract* 28: 67-9, Feb 74 (Eng)

ADOLESCENCE; CHILD; CHILD, PRESCHOOL; CHRONIC DISEASE; DRAINAGE; HUMAN; MALE; MUMPS (complications); PANCREATECTOMY; PANCREATITIS (etiology, surgery).

Wood D

SUBSENSITIVITY TO EPINEPHRINE FOLLOWING THE ADMINISTRATION OF EPINEPHRINE AND EPEDRINE TO NORMAL INDIVIDUALS. Nelson HS, Black JW, Branch LB, Pfuetze B, Spaulding H, Summers R, Wood D *J Allergy Clin Immunol* 55: 299-309, May 75 (Eng)

Wood SP

THE RELATION OF CONFORMATION AND ASSOCIATION OF INSULIN TO RECEPTOR BINDING; X-RAY AND CIRCULAR-DICHROISM STUDIES ON BOVINE AND HYPOTRIMORPH INSULINS. Wood SP, Blundell TL *Eur J Biochem* 55: 531-42, 15 Jul 75 (Eng)

ANIMAL; CATTLE; CIRCULAR DICHROISM; GUINEA PIGS; INSULIN; MOLECULAR MODELS; PROTEIN BINDING; PROTEIN CONFORMATION; SPECIES SPECIFICITY; SPECTROPHOTOMETRY, ULTRAVIOLET; TEMPERATURE; X-RAY DIFFRACTION; ZINC (analysis).

THE RELATION OF POLYPEPTIDE HORMONE STRUCTURE AND FLEXIBILITY TO RECEPTOR BINDING; THE RELEVANCE OF X-RAY STUDIES ON INSULINS, GLUCAGON AND HUMAN PLACENTAL LACTOGEN. Pullen RA, Jenkins JA, Tickle IJ, Wood SP, Blundell TL *Mol Cell Biochem* 8: 5-20, 31 Jul 75 (Eng)

Woodrow JC

HISTOCOMPATIBILITY ANTIGENS IN DIABETIC IDENTICAL TWINS. Nelson PG, Pyke DA, Cudworth AG, Woodrow JC, Batchelor JR *Lancet* 2: 193-4, 2 Aug 75 (Eng)

Woods SC

EFFECT OF INTRACISTERNAL INSULIN ON PLASMA GLUCOSE AND INSULIN IN THE DOG. Woods SC, Porte D Jr *Diabetes* 24: 905-9, Oct 75 (Eng)

ANIMAL; BLOOD SUGAR (metabolism); CISTERNA MAGNA (drug effects); DOGS; FEMALE; GLUCOSE (cerebrospinal fluid); HYPOGLYCEMIA (etiology); INSULIN (pharmacodynamics, blood, secretion, cerebrospinal fluid); ISLANDS OF LANGERHANS (secretion, innervation); MALE; NEURAMINIDASE (pharmacodynamics); REFLEX; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; VAGUS NERVE (physiology).

EFFECT OF CEREBRAL INTRAVENTRICULAR INSULIN ON PANCREATIC INSULIN SECRETION IN THE DOG. Chen M, Woods SC, Porte D Jr *Diabetes* 24: 910-4, Oct 75 (Eng)

Woosley PC

PROGNOSIS AND QUALITY OF SURVIVAL IN A HOSPITALIZED STROKE POPULATION FROM THE SOUTH. Haerter AF, Woosley PC *Stroke* 6: 543-8, Sep-Oct 75 (Eng)

Wright J

PITUITARY FUNCTION IN CHRONIC ALCOHOLISM. Wright J, Merry J, Fry D, Marks V *Adv Exp Med Biol* 59: 253-5, 1975 (Eng)

ADULT; ALCOHOLISM (physiopathology, blood); ANDROGENS (blood); CHRONIC DISEASE; HUMAN; HYDROCORTISONE (pharmacodynamics); HYPOGLYCEMIA (physiopathology); INSULIN (diagnostic use); LH (blood); LH-FSH RELEASING HORMONE (pharmacodynamics); MALE; MIDDLE AGE; PITUITARY GLAND (physiopathology).

Wu CH

HUMAN PLASMA TRIGLYCERIDE LABELING AFTER HIGH SUCROSE FEEDING. II. STUDY ON TRIGLYCERIDE KINETICS AND POSTHEPARIN LIPOLYTIC ACTIVITY. Wu CH, Shreeve WW *Metabolism* 24: 755-66, Jun 75 (Eng)

ADULT; CALORIMETRY; CHOLESTEROL (blood); DIETARY CARBOHYDRATES; FASTING; FEMALE; HEPARIN (pharmacodynamics); HUMAN; KINETICS; LIPID MOBILIZATION (drug effects); LIPOPROTEIN LIPASE (metabolism); LIPOPROTEINS, VLDL (blood); MALE; MIDDLE AGE; OBESITY (blood); STARCH (pharmacodynamics); SUCROSE (pharmacodynamics); TIME FACTORS; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Wu YJ

CYCLIC NUCLEOTIDE PHOSPHODIESTERASE ACTIVITIES OF PIG CORONARY ARTERIES. Wells JN, Baird CE, Wu YJ, Hardman JG *Biochim Biophys Acta* 384: 430-42, 19 Apr 75 (Eng)

Wulfert P

[DIFFERENTIAL DIAGNOSIS AND DIFFERENTIAL TREATMENT OF CARBOHYDRATE TOLERANCE DISORDERS IN PATIENTS WITH HYPERLIPOPROTEINEMIA. BEHAVIOR OF PLASMA LIPIDS, GLUCOSE TOLERANCE, AND PLASMA INSULIN AFTER GLUCOSE LOAD DURING TREATMENT WITH CLOFIBRATE] Bruns W, Rjasanowski I, Wulfert P, Michael R, Knoospe S, Hildmann W *Endokrinologie* 64: 2-12, 1974 (Ger)

Wurster B

Wurster B

GLUCOSE-6-PHOSPHATE 1-EPIMERASE FROM BAKERS YEAST. Wurster B, Hess B *Methods Enzymol* 41: 488-93, 1975 (Eng)
CARBOHYDRATE ISOMERASES (isolation & purification, metabolism);
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ESCHERICHIA COLI (enzymology); **GEL FILTRATION** (AUTHORS TRANSL); **GLUCOSEPHOSPHATES;**
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Yaegashi T

[STUDIES ON RADIOIMMUNOASSAY OF PEP-TIDE HORMONE USING POLYETHYLENEGLYCOL. PART 1. INSULIN (AUTHORS TRANSL)] Kihara A, Kikuchi A, Yaegashi T, Oara H *Jpn J Clin Pathol* 23: 449-52, Jun 75 (Jpn)

Yajima M

CARBOHYDRATE METABOLISM AND ITS RESPONSE TO CATECHOLAMINES AS MODIFIED IN ALKALOTIC RAT. Yajima M, Uii M *Am J Physiol* 228: 1046-52, Apr 75 (Eng)
ALKALOSIS, RESPIRATORY (metabolism);
ALTITUDE; ANIMAL EXPERIMENTS; BLOOD SUGAR; CATECHOLAMINES (pharmacodynamics); **EPINEPHRINE** (pharmacodynamics); **FRUCTOSE** (metabolism); **GLUCONEOGENESIS** (drug effects); **GLUTAMATES** (metabolism); **GLYCERIC ACIDS** (metabolism); **GLYCOGEN PHOSPHORYLASE** (metabolism); **GLYCOLYSIS** (drug effects); **ISOPROTERENOL** (pharmacodynamics); **LACTATES** (metabolism); **LIVER** (metabolism); **MALE; MUSCLES** (metabolism); **PYRUVATES** (metabolism); **RATS.**

Yalovsky M

UPTAKE AND COMPARTMENTAL DISTRIBUTION OF FATTY ACID BY RAT SMALL INTESTINE IN VIVO. Mishkin S, Yalovsky M, Kessler Jr *Am J Physiol* 228: 1409-14, May 75 (Eng)

Yamaguchi H

[EFFECTS OF NON-GLUCOSE SUGARS ON BLOOD GLUCOSE DETERMINATION] Hayashi T, Yamaguchi H *Jpn J Clin Pathol* 22: 756-60, Nov 74 (Jpn)

Yamakawa S

EFFECTS OF DIBUTYRYL CYCLIC ADENOSINE 3':5' MONOPHOSPHATE AND THEOPHYLLINE ON 2-DEOXY-D-GLUCOSE AND 2-AMINOISOBUTYRIC ACID UPTAKE BY HAMSTER EMBRYO CELLS. Kuroki T, Yamakawa S *Int J Cancer* 14: 32-9, 15 Jul 74 (Eng) [93]

Yamazaki RK

GLUCAGON STIMULATION OF MITOCHONDRIAL RESPIRATION. Yamazaki RK *J Biol Chem* 250: 7924-30, 10 Oct 75 (Eng)
ADENOSINE DIPHOSPHATE (pharmacodynamics); **ADENOSINE TRIPHOSPHATE** (pharmacodynamics); **ANIMAL; BIOLOGICAL TRANSPORT.**
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Diabetes Literature—Author Index

Yanbe A

DIAGNOSTIC VALUE OF INTRAVENOUS GLUCAGON TEST IN INSULINOMA. Oneda A, Maruhama Y, Itabashi H, Horigome K, Yanbe A *Tohoku J Exp Med* 116: 205-11, Jul 75 (Eng)

Yasumitsu C

[PROCEEDINGS: HYPERGLYCEMIA IN THE EARLY PHASE OF ALLOXAN ADMINISTRATION AND SYMPATHETIC NERVE INTERRUPTION] Yasumitsu C, Matsuoka Y, Tanaka I *J Physiol Soc Jpn* 36: 406, 1 Sep 74 (Jpn)
ALLOXAN (administration & dosage); **HYPERGLYCEMIA** (chemically induced); **SYMPATHETIC NERVOUS SYSTEM** (physiology).

Yawata Y

ABNORMAL RED CELL METABOLISM IN PATIENTS WITH CHRONIC UREMIA: NATURE OF THE DEFECT AND ITS PERSISTENCE DESPITE ADEQUATE HEMODIALYSIS. Yawata Y, Jacob HS *Blood* 45: 231-9, Feb 75 (Eng)
ASCORBIC ACID (diagnostic use); **BLOOD SUGAR** (analysis); **CYANIDES** (diagnostic use); **DIPHOSPHOGLYCERIC ACIDS** (blood); **ERYTHROCYTES** (metabolism); **HEINZ BODIES; HEMATOCRIT; HEMODIALYSIS;**
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Yeaworth RC

SEXUALITY IN LATER LIFE. Yeaworth RC, Friedman JS *Nurs Clin North Am* 10: 565-86, Sep 75 (Eng)
ADOLESCENCE; ADULT; AGED; AGING; CULTURE; DIABETES MELLITUS (physiopathology); **ESTROGENS** (physiology); **FEMALE; GENITAL DISEASES, MALE** (surgery); **GENITALIA, FEMALE** (physiology); **GENITALIA, MALE** (physiology); **GYNECOLOGIC DISEASES** (surgery); **HEART DISEASES** (physiopathology); **HUMAN; MALE; MIDDLE AGE; NURSE-PATIENT RELATIONS; PROGESTERONE** (physiology); **SEX BEHAVIOR; SEX; TESTOSTERONE** (physiology); **VASCULAR DISEASES** (physiopathology).

Yen S

COFFEE DRINKING AND CANCER OF THE LOWER URINARY TRACT. Simon D, Yen S, Cole P *J Natl Cancer Inst* 54: 587-91, Mar 75 (Eng)

Yoshikawa D

STUDIES ON NEW INTRACELLULAR PROTEASES IN VARIOUS ORGANS OF RAT. 3. CONTROL OF GROUP-SPECIFIC PROTEASE UNDER PHYSIOLOGICAL CONDITIONS. Banno Y, Shiotani T, Towatari T, Yoshikawa D, Katsunuma T *Eur J Biochem* 52: 59-63, 3 Mar 75 (Eng)

Yu S

REGULATION OF THYROID ORNITHINE ORNITHINE DECARBOXYLASE (ODC) BY THYROTROPIN. I. THE RAT. Richman R, Park S, Akbar M, Yu S, Burke G *Endocrinology* 96: 1403-12, Jun 75 (Eng)

Zahn H

B-CHAIN SHORTENING OF MATRIX-BOUND INSULIN WITH PEPSIN. II. PREPARATION AND PROPERTIES OF CAMEL DES-PEN- TAPEPTIDE (B26-30)- AND DES-PHEBI-DES-PENTAPEPTIDE (B26-30)- INSULIN. Danho

WO, Gattner HG, Nissen D, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1405-12, Sep 75 (Eng)

[SEMISYNTHETIC SHEEP DES-A1-GLYCINE INSULIN (AUTHORS TRANSL)] Berndt H, Gattner HG, Zahn H *Hoppe Seylers Z Physiol Chem* 356: 1469-72, Sep 75 (Ger)

Zahnd GR

INFLUENCE OF ACUTE ADMINISTRATION OF HUMAN GROWTH HORMONE AND ALPHAMSH ON PLASMA CONCENTRATIONS OF ALDOSTERONE, CORTISOL, CORTICOSTERONE AND GROWTH HORMONE IN MAN. Birkhauser M, Gaillard R, Riondel AM, Zahnd GR *Acta Endocrinol (Kbh)* 79: 16-24, May 75 (Eng)

Zelewski L

THE EFFECT OF PROGESTERONE ON MONOVALENT CATION TRANSPORT INTO THE MITOCHONDRION. Swierczynski J, Aleksandrowicz Z, Zelewski L *Physiol Chem Phys* 5: 37-42, 1973 (Eng)

Zempenyl T

ELEVATION OF ARTERIAL PHOSPHORFUCTOKINASE ACTIVITY ASSOCIATED WITH SUSCEPTIBILITY TO ATHEROSCLEROSIS IN PIGEONS. Zempenyl T, Rosenstein AJ *Atherosclerosis* 21: 167-77, Mar-Apr 75 (Eng)
ADENOSINE TRIPHOSPHATE (pharmacodynamics); **ANOXIA** (complications); **ARTERIES** (enzymology, metabolism, analysis); **ARTERIOSCLEROSIS** (etiology); **ATHEROSCLEROSIS** (etiology); **CITRATES** (pharmacodynamics); **COMPARATIVE STUDY; FEMALE; GLYCOLYSIS; HYDROGEN-ION CONCENTRATION; MAGNESIUM** (pharmacodynamics); **MALE; PHOSPHOFRUCTOKINASE** (metabolism, analysis, antagonists & inhibitors); **PIGEONS; SEX FACTORS; SPECTROPHOTOMETRY; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..**

Ziler T

[EFFECT OF GLIQUIDONE AND GLIBENCLAMIDE FOLLOWING ORAL ADMINISTRATION] Ziler T, Walddhaler A, Ermler R, Bottermann P *Munch Med Wochenschr* 117: 1423-4, 5 Sep 75 (Ger)
ADMINISTRATION, ORAL; BLOOD SUGAR (metabolism); **COMPARATIVE STUDY; DIABETES MELLITUS** (drug therapy); **DOSE-RESPONSE RELATIONSHIP, DRUG; ENGLISH ABSTRACT; FASTING; FATTY ACIDS, NONESTERIFIED** (blood); **GLIBENCLAMIDE** (pharmacodynamics, administration & dosage); **HEXOKINASE; HUMAN; INSULIN** (blood, secretion); **REST; SULFONYLUREA COMPOUNDS** (pharmacodynamics, administration & dosage); **TIME FACTORS.**

Zilker T

[COMPARATIVE USE OF GLIQUIDONE AND TOLBUTAMIDE ADMINISTERED INTRAVENOUSLY] Zilker T, Luders L, Bottermann P *Munch Med Wochenschr* 117: 1421-2, 5 Sep 75 (Ger)
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Zilversmit DB

CATALYTIC PROPERTIES OF PHOSPHOLIPID EXCHANGE PROTEIN FROM BOVINE HEART. Johnson LW, Zilversmit DB *Biochim Biophys Acta* 375: 165-75, 28 Jan 75 (Eng)

USE OF PHOSPHOLIPID EXCHANGE PROTEIN TO MEASURE INSIDE-OUTSIDE TRANSPOSITION IN PHOSPHATIDYLCHOLINE LIPOSOMES. Johnson LW, Hughes ME, Zilversmit DB *Biochim Biophys Acta* 375: 176-85, 28 Jan 75 (Eng)

Zollner N

QUANTITATIVE COMPARISON AND EVALUATION OF UTILIZATION OF PARENTERAL ADMINISTERED CARBOHYDRATES. Heuckenkamp PU, Zollner N *Nutr Metab* 18 suppl 1: 209-26, 1975 (Eng)

Zucker P

THE EFFECTS OF D- AND L-GLYCERAL-DEHYDE ON GLUCOSE OXIDATION, INSULIN SECRETION AND INSULIN BIOSYNTHESIS BY PANCREATIC ISLETS OF THE RAT. Jain K, Logothetopoulos J, Zucker P *Biochim Biophys Acta* 399: 384-94, 13 Aug 75 (Eng)

Zwarenstein H

EFFECT OF ORAL ANTIDIABETIC DRUGS ON LIPASE ACTIVITY IN VITRO. Holmes JH, Sapeika N, Zwarenstein H *Res Commun Chem Pathol Pharmacol* 11: 667-70, Aug 75 (Eng)

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EDITORIAL: SACCHARIN AND BLADDER CANCER. Anonymous *Br Med J* 3: 610, 13 Sep 75 (Eng)

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CLINICAL CONFERENCE: ABORTION AND STERILIZATION. Anonymous *J Med Ethics* 1: 45-8, Apr 75 (Eng)

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GLUCORECEPTORS, INSULIN RELEASE, AND DIABETES. Anonymous *Lancet* 2: 646-7, 4 Oct 75 (Eng)

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[MATHEMATICAL MODELING OF THE KINETICS OF CHAIN OXIDATION OF BIOMEMBRANE LIPIDS IN THE PRESENCE OF FE²⁺ IONS] Anonymous *Biofizika* 18: 1024-30, Nov-Dec 73 (Rus)

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LIPID-LOWERING DRUGS. Anonymous *Med Lett Drugs Ther* 17: 49-50, 6 Jun 75 (Eng)

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THE EFFECTS OF FOOD PROCESSING ON NUTRITIONAL VALUES. Anonymous *Nutr Rev* 33: 123-6, Apr 75 (Eng)

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